<210>   8851
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d08a1

<400>   8851

gaaactactg tcaggtggcc aaatccaatc ctgagaagtc tatcccttta actgttctta   60

aaagtgccaa gggcttacca attttaacag atgctaaagc tggtgcactg gtctcttaca   120

aactgggcac tggtttggtt gttgctcgaa gatcagatgg atcatggtct gcaccgtcag   180

caatattctc cctgtgttta ggatggggtg ctcaaattgg tggtgaactt atggatttta   240

tagttgattt tcgggatatg aaagctgtga agacattctg cagtcatatg cattattctc   300

ttggtgctgg atgtagtgct gcagcagggc ctgttgggag agtgcttgaa gcagatattc   360

gtgctggtga ctgatgctct ggcatgtgtt acacttacag ttgcagtaaa cgtgcatttg   420

tgggagtttc tttggaagga aatatagatg caaccagtat ggatgccaat ttgcgcttat   480

atggcgatac ttacctgacc acatctgata ttttactggg aatggtggac   530

<210>   8852
<211>   590
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d09a1

<400>   8852

cttgacaatt tattagttgg taaaacacgg aaggaagcat ctcggatgtt ttttgaaact   60

ctggttctca agaccaggga ttatgtccat gtagaacaga caaaaccctt tgcaaatgtc   120

agcataaaac ctcgaatgaa gcttatgcag tcagatttct gaaacctcat gtaggaatga   180

cagatatagt tgtaaagatc cattcggtgg tagtttggct ggtatctgca gggttgggat   240

aatattttca acatttctcc ccgattctag ccatatatgg cttttcattt ataattttt   300

ggagataggg tttagctgtt cagttttagt ttttgaagtg gcacttgtat aataatcatc   360

ctattgatta ttctgggtct taatgtatat atttttgtaa aatgtcacaa tctgtaagtt   420

```
gcagaggcta atttgtatgt cgtttaaacg catccctcct agtaagaatg acattctgct   480

ttctctaggc atcatattta tgtaacagag agcaccttgt aatttaactg tcagtggaca   540

ggggcatcat ttctggactt tatttgataa gattaactgc attatccttt              590
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<210>   8853
<211>   444
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d10a1

<400>   8853

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atgggaaagc aacttttgga gaggttttca aggtttttctt tgccttaaca attacagcag    60

ttggtgtttc ccagagtagt gccttggctc cagatactaa caaggccaaa gattctgcag   120

cctcaatatt tgaaattctt gacagcaaac cagctattga ctccagcagt gatgagggca   180

caacattaga cacagtaaaa ggtgaaattg aacttcaaca agtcagcttt gttacccaa    240

caaggcctaa tattcaaatt ttcaaagaca tgtgtctaac catgccaact ggaaagaccg   300

ttgccttggt tggagaaagt ggcagtggaa aatcaacagt gatcagcctc ttagagagat   360

tttacaaccc tgactctgga cgcatactaa ttgatggagt ggatataaaa gaaattcaaa   420

ctaactggct gaggcagcaa atgg                                          444
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<210>   8854
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d11a1

<400>   8854

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aaaaaaagag tcaagcggcg agcaatggcg acatcgctgg tgcgatcggg ttttcttcga    60

agcgccctaa gaggaagcgc tcgtggctcc caggttccga agcgaaactt tgcttcctct   120

ggtcatcacg atgatgcata tgagacggcc aaatgggaga agattacata tctaggcatt   180

gttagttgca ctggtttagc cgtttataat ctatcaaagg gccacccaca cttcaaagaa   240

cctcctgctt acccatattt gcatatccgc aataaggaat cccctgggg tcccgatgga    300

ctatttgaaa cgaagcacca tgacgagcat tagtggttta atgaaggtat ttgtggcact   360
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4002

ggtgggcatt cgttttgtca atgttcaacg aatagtgata atgatgatta tt   412

<210>   8855
<211>   422
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097d12a1

<400>   8855

aaaataatcc aattcaaaca cgtataatta aaaactcaat ttagaccata agagtaacaa   60

gtgtgtcact cttctgactt atacaaatgc aaggaataga aattgacaaa agagataaaa   120

ggatgaagac caggaaaata tcaacaacgt cataactcat aactcgtgta acgccaaaaa   180

aaaaaaaaaa gcaggatttt atttttatca tcattatcat tgaggcactg atagttattg   240

attatccaaa gaaggctagt gtttgctcaa agccatgctg ggttttttcag gggattaaca   300

acagccttca cttgcaagta gtttttgaga ctatactctc cttttttctct gccttgacca   360

ctcatcttgt accctccaaa gggaattgca gcatcaaatg tgtcaaagca gtttatccac   420

ac   422

<210>   8856
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e01a1

<400>   8856

ggcaagaata tcaaattggt ctattgtctt cctcctaatc tactacacta ctccacatag   60

agcccagcct ttcaagccca gcccaagcc caagcccaag cccgttcata aaatactcct   120

gcagcagcac ccaggaccca gccctctgcg tctaatgcct gtccgtctac gcctacagca   180

tccaacagga ccctgaccaa ctggctgaga cagcactctg cctctctgtg aaccgcaccc   240

aagccaccaa aaccttcgtg gctaactgca caaattcag aggcctgaaa cccagagagg   300

acgctgcact caaggactgc gccgaggaaa tcagcgacag cgatgaccgg ctcagccgga   360

cgctgtacga gctcaagcta tgtaaggcta atggcgagga cgtcacgtgg cacattagca   420

acgtggagac atgggtcaac tctgctttga ccgatgagag cacttgcggc gatggattct   480

```
acggtgaggc gctgaatggg aagatcaacg actctattat ggctacgatg ct            532


<210>      8857
<211>      255
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097e01d1

<400>      8857

aatcatagaa aaacacaacg tcatatttca catttaagaa gcatgagaag agccatatat    60

ctataaagac tcacatatat aataattaca tggagcacat aaaagaagaa aagtaaagca   120

ttaagcaacc aagatcattg ttcccaacta gtgttgcgca gcatagtggt taataagcga   180

gagagcattg ctagttacct gagcaacatt gagcatccta gccctaatag agtccttgat   240

gttgccattc agcgc                                                    255


<210>      8858
<211>      592
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097e02a1

<400>      8858

tgttcttgca agagtaacag agaggaggtg gacaaacaaa gctataattt ttagaggggt    60

taccaccctc accttctgcc aaaccaaacc cacccttttc tctctttaag ctactattgt   120

gctgagagct gaagaggaga tggggggtgg aaatcaagag gcagtgaagc agctgcagac   180

cctgatggaa aatgtggatg atgagcagct gaagaacaca ttccagatta tgcaccaggg   240

ttatcaaact gaaacgttaa tacggtttct caaagctagg gactggaata ttgccaaagc   300

ccataaaatg ttaattgatt gtttgaactg gagggtggaa aatgagattg acaatgtttt   360

aaggaagcct atccccatgg atttgtacag agccatacgg gattctcaac tcataggaat   420

gtctggttac tcaaaggagg gtctacctgt cattgctgtt ggtgttggtc tcagtacata   480

tgataaagca tctgacaaat actatataca atcacacatc ccactaaatg aatataggga   540

tcaagtgatc ttgccaacag ctacaaggaa catggacgat acattggcac ct           592


<210>      8859
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<211>   292
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e02d1

<400>   8859

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ggggaaaaat tctggatggg gttgatgtaa acattacaat attacattta ataaccggct        60

ataagtttga cctcacaagc aaaacccttc taattagaaa gggatcatat tgttatcaac       120

aaataaaagt ggctcaggac aggccaaaaa acacagttac tagtagcttt agtagcatag       180

ctttcaatgg ccattaactt taagaccatt tagtgaggtg ggaaagccat tcttttgatt       240

ctccaatttg gggaactcag tttctatggg cttggctatt ttggcatcat ca             292
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<210>   8860
<211>   535
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e04a1

<400>   8860

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gttgttgcta tcaagaaaat gaagaagaaa tattactctt gggaggagtg tgtaaacctg        60

agagaagtca agtcattacg aaaaatgaat cacccaaata ttgtgaagct gaaagaagtt       120

attcgagaaa gtgatatctt gtactttgtt tttgagtaca tggaatgcaa cctataccaa       180

ctcatgaaag acagggaaaa actattttct gaagctgaag ttagaaattg gtgttttcaa       240

gtttttcaag gtcttgctta catgcaccag cgtggatact tccatcgtga cctgaagcct       300

gaaaacttgc tggttaccaa ggatttcatc aaaatcgctg attttggact agcccgagaa       360

atcagttcac aaccaccctc cactgagtat gtctccacac gatggtatcg tgctcctgaa       420

gtgctgcttc agtcttatat gtatacctct aaagttgata tgtgggcaat gggtgctata       480

atggctgagc ttttctctct tcgtcctctt ttcccaggtg ccagttgagc ggatg          535
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<210>   8861
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e04d1

<400> 8861

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ggtatagggt tttccccggc gggatacagt cccgtaatcc cttcttcatc ctgttttgct    60

aaaaaattga gagtccagcc gcaacgggcc ttgagctctg acccctacgt tctggaactc   120

gccgaaaccc tagaagactc cttcccctcc tctccctcca ccccactccc tctccagaac   180

ctccgcctct cctcctccca atccctcctc tccactccat ggccctcccg ccgcgacgag   240

cccttccgct tcaccgacct ctccttcatc cgccaatccc gcatcctccc cgtctccccc   300

accatctccc tcctcactcc cacctcccac ctccccaacg acgtctacgt cggctccctc   360

tcctcctcct ccccctctct cctccaacga gtctcccatt tcatctgccc tttccccatc   420

g                                                                    421
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<210>   8862
<211>   573
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097e06a1

<400>   8862

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gtccattcct agaaaattgg tcacacgcac acacaacact ttaagaaaat catatatttg    60

aaagtaatat acagtggatt tttgtagtaa ggttatttta tgttaatgtt aggctaacaa   120

catgtgtttg atgggaaatt gattagctat tgctctgtta ggcatctgaa gctgtatatt   180

ttgatttaca aaattttctg ttcaacctca gctagctatt tggttatgtt actcaaagga   240

tttacatatt aatcttctgc tgacttctgc tgagtacaaa attgaaagca aacaagtttt   300

ggcttccaaa agtacaagac tacgagttga taagaacata ttcatctact gccaaaggcc   360

tgaagttgaa ccatggattg ttcagctgca agaaaaacac aaaaggctga ccgtgaaaag   420

ttaaggaggg atcgactcaa tgaacaattc gtagaactgg gtaacatttt agaccctgaa   480

tggcccaaaa atgacaaagc aaccattata ggtgatacaa ttcaattgct aaaggaccta   540

acttctangt tagtaactca aagatgaata tgc                                573
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<210>   8863
<211>   354
<212>   DNA
<213>   Glycine max
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<223>   Clone ID: jC-gmfl02220097e06d1

<400>   8863

atgaaattgc attgatatca tcaattaatg caagtattgt acagatcaaa gtcatcgaca   60

attcattgca tgatacaaat tgttagcttg ctgaattgta tcgaatcatg cattctaaca   120

actatgaaag agtttacaaa cctacacgat agccacactg gtcaatttgg tgattttcca   180

gctgaaattt caagtttttc ccccaaaagg ggaagtttat gcttaaatta tgtaagattt   240

aaacctactt ggaccaaatt cttggtcagg aagagatagc agaagtgact tttattttgg   300

gattagaaca gaatgactta cacctccaga gtagcagcag atgcacaatg aaaa   354

<210>   8864
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e08a1

<400>   8864

aacaaatact aaatgctgct atcacaattc acaagaaaat gtgttttgga atggcaaggg   60

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catcatgatc atcgatcaag gatatgacga actccctcct atccgattgg gcctttcatc   180

tgtacctaca gcaagaggct gctgcttctt catctaatta tcatcatgat gatgatcatc   240

atgatgctga tctcaaaacg gcatccagca ccaacataca tgctactcta catgctgacc   300

tccaagacta ccatgctatc tttaagacca accttaatct cgcatgcact gatcgcgcta   360

tgactcgggg atctctggtc acatcttcaa acccttacag tggaccacaa gcctttaatt   420

atcctgaagt tgcatcgcat gctaccttaa aaggatctgg tccttttgga aatgatgatc   480

cctctaactt aca   493

<210>   8865
<211>   451
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e09a1

<400>   8865

cactagattc atgctatttt ctccaccggc tctgctcaag cctcaccaag taccggttac   60

cactccattt cctcttactc aaacccatca cacagtatca agaaacaaga gggtgcacag   120

caccagcaga ttcggaaact ttcttgactg caaacccgag aacaaacccg gatccttaga   180

ttttgacctt ccatggtgcc acccttctga ccgcaatcgt tatgatgtga tcatcattgg   240

ggctggccct gcaggcacaa ggctcgccgg gcaagtgtcc ctctatggag ttaaagattg   300

ttgcgttgat cctgaccctc tctctgtgtg gcctaacaac tatggtgtgt ggagagatga   360

gttggacagc cttggtcttg aggatcgctt ggacaaaaca tggcccatgg ctcgtgttca   420

tgcggatgat ggcaagacca agtgtttgga t   451

<210>   8866
<211>   422
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097e11a1

<400>   8866

cttgaataaa ccgaaccgtt cttcgattcg ggttcaagtt cgaagaagaa aagcgatgag   60

ttcgggtagt agcagcagcc acagcagtga gaaggagaag gagaagcaga gagtgagtcg   120

cacgtcgctg atactctggc acgcgcacca aaacgacgcc gcagctgtgc ggaagctcct   180

ccaggaggat ccctcgctcg tcaaggccag agactacgac aaccgcacgc cgctccacgt   240

ggcgtcgctc cacggctgga tcgacgtcgc cacctgtctc atcgagttcg cgccgacgt   300

caacgcgcaa gatcgctgga aaaacacccc tctggcggat gcggagggag ctaagaagag   360

taatgtgatc gagcttttgc aatcgcatgg tggcttgtct tttgggcaaa atggaagcca   420

tt   422

<210>   8867
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097f01a1

<400>   8867

agcccctaat ctatgtatct atctatcttc aatactacta cccttctgtc tctctgtaca   60

4008

cagacaccaa caacaaatag cacacacaat gaaagaagaa acatggaaac tccacgcatc 120

catcatgcca tcaaaaccaa agagtccaca ccacccaacc caaccctctt tctctctcat 180

caatggccca gctggaccaa aatttatgta gaagaacgaa aaacagaact gaaacaaaga 240

aggaaagaac gaatgggaaa acaaagaaga aagagaagtt ggatgtgttc aaatgtcctc 300

caaccaaacc caccttacat ttctctctct ctcatcaaaa ctatgttccg cgaattgccc 360

ttctgcaagc ccccaaaaaa tcccatcttc atcactggtg tttcagaaga acaatatctt 420

tcaccgagtt atgtgggctc ttcggatttc tttgtctcgg tcagagtctt ctcacagaga 480

aaacaggaaa gcgagaacct tcttacccct tcacctcttc tctctttctt gg 532

<210>   8868
<211>   313
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097f01d1

<400>   8868

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tacaatttct aacgcgggaa aatgcttaca acatcattga actgcctgag gcccagttct 120

ttgcatccat ttcctttgat tgatatccag atcctacgcg aactggatgc atttтcagaa 180

taactctctt aactacacat caaggcaaac gcgtgctata tacagcatta tttacaagcc 240

gatactaatg tagtgctaca ctgatgtcca cgctggagac tataggctta cattccaaca 300

ttccctcttt tgg 313

<210>   8869
<211>   359
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097f02a1

<400>   8869

gcaatgcgga tattttcacg taccacgagc atctcgctcg tgacacaagc actttcgtcc 60

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acgcgaggtc ctgttgcatg tccactgaag caccccattaa tgaacttact cccgcaggat 180

4009

ctacaggaga tacagaatct cctacctgaa ggcactattc agcgcactgg acctatccac 240

atccttgatc ctcattggat attgctgtga cgaagaccac cgggcatagc cgattcaatg 300

catggcaagt gggagctagg cgaaacatgc ttttcacaaa gaggcctcaa cattgactt 359

<210> 8870
<211> 489
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097f03a1

<400> 8870

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actctgtccc cattcagagg ctctctaacg gcgtctgtga cgactacgca ggccgtgagg 180

acccaagaaa tttaagcact gggataacaa ttgtggggtc tttaaactac tgaatgatgt 240

gacaatcaat actatgaatc tcttctctct cttgtattat tactcctact ctccactct 300

ttgtcaatgg tgggatgtac tgcctagttg tagtttatag gctacttata agcctttgt 360

tttttttgtc tgttttcctg tttttgctg cctaggacca ttcataagat aaacaatgta 420

aaccatatgg catcttgtca atgtgctatc tacaatatat tgattactta atctgttagg 480

aaaaaaata 489

<210> 8871
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220097f03d1

<400> 8871

aagaatgccc atcttctctg caacgttggg ctccttcact tccatctcct cctccttcct 60

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cactgctaaa gtcttggtct ctgcctctgg caatacccaa attgaccaaa atcccgactc 180

tggacttctt caacgcccta ctcctccaga cccactcgat gacgctcgtc aggctcggta 240

4010

```
gagatcgtca gattggaagg ctgcaaagac atatcaagat agtaaagtca tttataatgg    300

tagggttgaa ggttttaatt ctggaggcct gctggttcgg ttttattctg ttatgggctt    360

tctcccattc ccacaattga gtccagtgca tgcttctaaa gaaccagaga aatctatcca    420

agaaattgca caaggcttaa ttggttcaat catgtcggtg aanggtattc tagcagatga    480

ggataac                                                               487


<210>       8872
<211>       469
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220097f04d1

<400>       8872

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tcactcccca cctttggaat tcaagggttt gagcaaggag gaggaagact cattgctagg    180

gcaagtggaa atatggaggt acatgacatg cttcacggac tccgtggcct tgaaagctgt    240

catagagctt cgtatagcgg acatactaga ccgttatggt aaaccactat ccttgtcgca    300

aattgtggag aacatagaag acgcaccctc cccagatgcc tctcttctcc agagagtcct    360

gagagtgatg gtgcgcagaa agatcttcag tgcacaagaa tcagagacag agaaaccct    420

cttcggcttg acacgagcct cgaagtggat ccttcgcgac acgaaaatg               469


<210>       8873
<211>       599
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220097f05a1

<400>       8873

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cactctccga gagcattttg tgcactactg ggttgaaaat gtatttggtg gagagcaaag    120

gaggtgccat aacatgcatg ttcttggctc ttttcttctt ggggacatgg cctgctctttt    180

tgactatgtt agaaaggcgt ggtcgtcttc ctcagcatac ctaccttgat tactcaatca    240
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4011

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ccaatttctt gtctgcttta ctcattgctt ttacacttgg tgggataggc aagggcactc  300

atgatcagcc aaatttctta gttcaacttg ctcaggataa ttggccctcc gttctttttg  360

caatggggggg tggtctgttc cttagccttg ggaatctgtc aagccaatat gcatttgctt  420

ttgttgggct atctgttact gaagtgatca cggcaagcat aactgttgtt ataggcacaa  480

ccttgaatta ctttttggat gacaaaatca acaaagctga gatccttttc caggagttgg  540

ttgctttttg attgcagttt ttaggctctg ctgtcatcat caatgctgtg atataaagc   599
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<210>   8874
<211>   670
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097f05d1

<400>   8874

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cgaaaatgac tcgtgaaaga tgaataataa cgagagaata atttatatct acaaattcta   60

caaatagtac aaaatgcaaa ttcaatatgt taactactga aaanntatat aaganagcgg  120

gtttcgttgt gcaagacnga nnaaggaata cgaacgggag cgcggaaaac ggaacgagcg  180

acagccgagn cgggacggac ggaagaggaa cccgaacgaa aagccaagcc tggaggaacc  240

aagaggggcc gaagccgaag cattaccaaa aactaacaca aaacagacaa aggaggagcc  300

gaagcctcct acacaagaaa ctttgccagc tcagaaagaa tccaaaaaca aggggaggga  360

tatgaaatcc aacaccgaga gagccaggtt ggatgcagaa atcagatgaa tagaatgtac  420

tacataccac aaaaggaggc ccctgccaaa gagagtgaaa acacaccaac aatgttaaat  480

gaggggaaaa gagaggagga gaatgcaaag gcaaagcaag ccttggaaag aaagaagaaa  540

gttagcagca gaaaagctgc agccaaagca gccatcagag cacaaaagga agctgagaag  600

aagcttaaag accgtgagaa gaaagccaag aagaaatcag gtgctgcagc aggggccaac  660

cctgaggatg                                                          670
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097f06a1

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cgcggcagaa agaaaaaacc cgaaacacaa accccctcaa acaacacccc tcccccccaa     180

aacgcagaca acaaaacaga agaagacgag ctccacgact acgacgacgg cgtggacttc     240

ccctactcgg accctccctt aatatgctgc ttcggcttgg cgcggaagga gttcgtccct     300

gcggtgcggg tgcaggacta cccgatgcac ccggacatct actccgagtg gaagatgctg     360

cagtggaagc cccccgagtt cgcacgtgcg ccgggcggcc cgccgtccaa cgtggccgtg     420

gcgcacgcgc gcctcggggg gcgggcggcg ttcctgggga aggtcgggga cgacgagttt     480

ggagaggaga tggtgctgat gatgaacgag gagagggttc agacgag                   527


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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097f06d1

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gtccataaaa ctaaagcaga gggggaacat tgcggagggg aagagtttta caaatccaaa     120

ctgcacccccc attacaagaa tggggtccat ctgaattttc cctacaaaat tttcaattga     180

catccgcctc ctgttcatac atgcatgagt ggcggccaaa cgaaacaccc aaacaatttt     240

ggcaatcgga tggggttcat ctgcccccat tttatatcaa acacttgcag agaagttcca     300

aataaataat ca                                                         312


<210>      8877
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097f07a1

<400>      8877

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gctattctaa gagtgtctcg ctccctcatt catgtccgat ctgtacgacg gaggacgggt   180

agttgcgtaa ctgccgttaa cccttcgccg cacggtgggc gtggtgcttt gccttctgaa   240

ggtggtagcc cttcagactt gctcttcctc gctggtggtg gtttcttcta gtttcttcac   300

tcttttcatt acttttagcc tgcatagttt taaataagaa aaaaaaaca gcgactttgt   360

gactagttaa gatcaccgct tcttcttctt cttcttcttc ttcttcttct actactacta   420

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<210>        8878
<211>        589
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220097f08a1

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attcgccaca ctaagccacg cttcggtgca attcgcccca cagcaatacg gtgctccatc   180

aactcgtatc gcttgtccaa cctcactccc tctgagcttc agagcctcaa gagccgaccc   240

cgcatcgatt tctcttccat tttcggtgtt gttaatccta ttgtcgatga tgttcacaaa   300

agaggggatg ctgcggttaa agaatacact tcaaagtttg ataaagttga attggataag   360

atagttgagg ttgtctcgga gctccctgac cctgtgcttg aaccgcctat taaggaagct   420

tttgatgtcg cctatgataa tatttatgca tttcatgctg ctcagaagtc atccgagaaa   480

agtgttgaga acatgaaagg agtccaatgn cagagagttg caagaagtat taactctgtg   540

ggtctttatg ttccaggggg aactgctgta taccttcaca gctttgatg               589


<210>        8879
<211>        512
<212>        DNA
<213>        Glycine max
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<223>   Clone ID: jC-gmfl02220097f09a1

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ttcctctcac aacccaattc tgattatcct cttgcgtgtg aatagattg atctcccctt   180

tatcctgttc tttggttccc aacaagtcaa agtcttcttc agcttctttg tggcgaaaaa   240

caacacaaag gggattcaat ttcaaattca agttctgatt cctgtgttga gtgccttaca   300

caggtctagg tttggctttg gcatcttaaa agggacataa agcataccat agttccgttg   360

gctggttatg gattgggatg tgaaagagtt tgctcgggat ccacctgggt tgcagctgtc   420

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aacagcccca gatgttgatg cttaagacac aa   512

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097f10a1

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actaagtgag acctttttgtt cacaatgtat ttacaaatgt caccaggaaa ataaaaggat   180

acttactgac aaccattttg cagtctacaa aagtataact agatactaat agcagttatc   240

ctggaggtag ctacaaatat ttaactagct taccttcttt gaaaagtatt gttgcactga   300

gaaaagtgtg tttgaggatc aactccagtg aaaccctg   338

<210>   8881
<211>   84
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097f11a1

<400>   8881

4015

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aaaaaaaata taaatatata aaaa 84

<210>   8882
<211>   333
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g01a1

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cccacgccca actcttaacc gatggaacat ctgctaatgc tattattgga acggctaatg   120

atcactttga cgccgggtga gccgctcgac aagcacagtg aggagcttgt cccactagca   180

acttgatatg acgcatgcac atgcgaacac tccactacga ccgaagcatc attgcttgcc   240

ggaccgactc tggactatgc agcctggccc tacccgaccg atggtgtcgc agcaacccat   300

gcgagacggt cttctgaacc gactgtaccg gac   333

<210>   8883
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g01d1

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tttaccggcg tccttccctt tcgatttcgg gcataattaa cattcacagg agaacactta   120

acatcaagca gaagcatttc tgcttagcct ctccaatttc acgttacaag tttttcacaa   180

gtactactaa tccagctatg tagaaaatgt ttaattacaa cccaaagccg aagaagaaga   240

aaaagacttt tacaatataa ctagaatgac caggcacaag aaagactatt cttcttcttt   300

tgcttcttct taagaggagg atgagaaggt gtcaatgat   339

<210>   8884
<211>   295
<212>   DNA
<213>   Glycine max

<223> Clone ID: jC-gmfl02220097g02a1

<400> 8884

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ggaagtctat caagctttta gggtttgttg ccttggcaag gctcggacag tacatacccc   120

tacgtggatt taatagcgag gctttcgttg gaacatatgg accataacag tttattaagc   180

actttgcact cgatgaacgg caggaggtac tggctgacta ggagtgtgct acattggtat   240

tgtactgttc ataaatgcac agattgcttt ccagctactt gcacacgtat atacc         295
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<210> 8885
<211> 330
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097g02d1

<400> 8885

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aggggaaaat tatttactac atccaccaat agaacacaaa cagaactctc cataacggga   120

caattaccat cgagccaaac ccgactcata ctaaaggtg gttacaaacc cattacacgt    180

gacatttgtt agtaaaaaga tagggaaaaa ccaacatggg aacatgagac ggaagatgct   240

attcaaactt aaaccccctcg cgaaaaccct cacccaaacg caaagtagaa ttcttgggca   300

ttgagatacg ctggagggac cgttcataac                                    330
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<210> 8886
<211> 593
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097g03a1

<400> 8886

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ggtagaagtg taataatgga tggaagcaat ggggatatcg cgattgatca ttatcatcgc   120

tacctggagg atatagattt aatggaaact ttgggagtaa acagctaccg gctatccctg   180

tcatgggcaa gaattctacc aaagggtaga ttcggagagc ccaaccatgc tggtatcgag   240
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ttctataaca gactaattga tgttctacta ctcaaaggga tccaacccctt tgtaactctt   300

agtcactatg acattcccca agagcttgaa gacagatacg ggagttggct aagtccccag   360

ttacaggaag attttgcttt ttatgcggac ctatgtttta aaacctttgg tgacagagtt   420

aagtactggg tcacattcaa tgagccgaat ttcctagtgt cacttggtta ccgctctggt   480

ttatatcctc catgccgttg ctctggccaa ttagcaatgg ctaaatgcag tgaaggagac   540

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<210>   8887
<211>   500
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097g03d1

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cgagaactcc tcggtgatgg aggccttcat gccatcctcc gatctctcct ccatctggcc   120

ccctcccgct cctccgcagc cgcaatccac ggcggtcttc aatcaggaca ccctccagca   180

ccgcctccag gccttaatcg agggcgcccg agagacctgg acctacgcca tcttctggca   240

gtcctcttac gactattccg gctccactct cctcggttgg ggcgacggtt actacaaagg   300

cgacgacgac aaagccaagg caaaggccaa gtccaaagcc acctccgccg ccgagcagga   360

ccaccgcaaa aaggttctcc gggaacttaa ctccctcatc tncggctcct cctccgcttn   420

cgcctncgac gacgtcgacg aggaagtcac cgacaccgag tggttcttcc tcgtctccat   480

gacgcagtcc ttcgtcaacg   500

<210>   8888
<211>   319
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g04a1

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tcatatgttc tgtatgacgc actgacctcc atctccggcg actatggcgc cgtcagacag   180

atctatgatt atgcgctgat ctacactgtc atatacacag tctaccatgc agatcagcct   240

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gtctctggtc gtgatctca   319

<210>   8889
<211>   456
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097g04d1

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caaggatgct ggtcttaagg accagaagaa cttcatcagc tatggtggag ttggtggtta   180

ttccgggatt gggaacaatg gactgccttt tggaggagct ggtgccggaa taggtggtgg   240

ttttggcgga ggtggtggac ttggtggtgg cctcggcggt cctaccggtg ggatcggagg   300

gtttggcggt accggtagcg tgtcggtgg cggtattggt ggtggcgttg gaactggcgt   360

tggtggtggc agcggtgttc ttcctttccc ttgaatgatg aacatgcatg catgcatgca   420

tatatgctcc gtcacgnttc tttggataca ctagtc   456

<210>   8890
<211>   524
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097g05a1

<400>   8890

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ttccttctct tctgcgtttt cttcttcaac attccaatct aatccaaaac gctgcgtttt   120

atttcgtatt caatttaatt caatccctaa attcctcgcc ggagagagcg aatcttaata   180

accccaccac tttccggcga aacatggccg tcgccgtcgc cggccgccag aagccgagct   240

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ccgacgcgag cctcttcacg ctctgcccct tctggagctc gcgcaacgct actcaaaggt    300

ccaccaaaac ggtgtcgtcc gtcgccaggt cgctgctccg tccgcgccgg aaactccgcc    360

tcgatccttc cagttacctc tattttccat atgaaccggg aaagcaggtg aggagcgcgg    420

ttcggttgaa aaacactagc aagtctcacg ttgctttcaa gttccaaacg acggcgccaa    480

agagttgtta catgcggcct ncgngtggta ctcttgctcc ggga                     524
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<210>   8891
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g05d1

<400>   8891

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aaaaccagca ggaaaaggga gtgcaaggtc taataacaaa tataacaaag tgataaactg    120

ataatacata aacacctaaa catattgtgt gcccttttct acagcgaaac atcctaaaga    180

tacgtctacc aaaaaaagag ttgtaacata atactatccc caaatcacag gaaagataca    240

tccccctcaa taagcccgtg cgaacaggaa aaattttgtg aactgtcatg ggtaattttc    300

agtgtcagtt cgacatctat gttgtgtgct tgtctagatg ccctcgctta tttttacgtt    360

ttgcatagaa gattgatcca tctggaacag gtttattcaa cttttttgcta cagaaaacag    420

ctgaaaacac tctaccc                                                   437
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<210>   8892
<211>   547
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g06a1

<400>   8892

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tggcggccaa gtcattctcg ctccctccga tcccaccaat gagtaccagc attggtataa    180

ggatgagaag tacagcacta gggtgaagga tgaagagggg tgccctgctt tctctttgat    240
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caacaaggcc actggtgaag ccttgaagca ctccatcggt gccactcatc ctgttcggct   300

gataccttac aagcccgact atcttgatga gtctattcta tggactgaaa gccgtgactt   360

aggagatggc cacagagcta taaggatggt caacaatgtt catcttaatg tggatgcttt   420

tcacggtgac aagaattctg gaggtgttcg tgatggcact acaataatcc tctgggactg   480

gaacaaaggt gataaccagc agtggaagat cttaccttac tgatttcaat tgacgaaatt   540

atcaatg   547

<210>   8893
<211>   338
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g06d1

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tttatgggaa tcggcacatt aaccaggggc acatgtttgc aataaatatt acataaaacg   120

cacttaattt attgaaaaaa gccgattggt tggtacaagc aaatgcacta cacaccattc   180

catactttag ggaacaccaa accactcaaa tacaagggcc aactattctt ttaacttgat   240

gcattttaaa agccattgaa aatttcttta attgaaatca gtaagggaag aacttccact   300

ggtgggtatc acctttgtta cagtcccaaa agactatt   338

<210>   8894
<211>   553
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097g07a1

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ggacgatgag agagaggaga aggagttgga tctcacttct ccggaagttg tcaccaagta   180

caagagcgcc gcggagattg ttaacagggc tttgcagtta gttatttcag aatgtaaacc   240

gaaggcaaag attgttgacc tttgcgagaa aggggattcg tatattagag agcaaactgg   300

4021

tagcatgtac aagaatgtga agaggaagat agagagaggt gttgccttcc ctacatgtgt 360

gtctgtgaac aacactgtct gtcacttctc tcctcttgcc agtgatgaaa cagtgttgga 420

agatggtgat atagagaaaa ttgacatggc ttgccatata gatgggttca ttgctgctgt 480

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agaacaaaca ccg   553

<210>   8895
<211>   577
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g08a1

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gctattctaa gagtgtctcg ctccctcatt catgtccgat ctgtacgacg gaggacgggt 180

agttgcgtaa ctgccgttaa cccttcgccg cacggtgggc gtggtgcttt gccttctgaa 240

ggtggtagcc cttcagactt gctcttcctc gctggtggtg gtttcttcta gtttcttcac 300

tcttttcatt acttttagcc tgcatagttt taaataagaa aaaaaaaaca gcgactttgt 360

gactagttaa gatcaccgtt tcttcttctt cttcttcttc ttcttcttct actactacta 420

ctactacttt tcctccacaa aatgatgctc agaatcaaga gggttcccac tgtcgtttcc 480

cactaccaaa gagacgacgc tgcagactct tctcgtccgt cggaggttgt ggtcggaatt 540

gcctaaagct tgttgccttc cgatgcaagc tggctttt   577

<210>   8896
<211>   190
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g09a1

<400>   8896

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ctcaaaattg gaataaaaag ccacatagaa tgcctaagcc cctttgcctt cgccaatttt 120

4022

gcttaaagca aacacccttt tggaaacacc aacggatccc cctgggaaca ttttggacaa   180

gtttaattgc   190

<210>   8897
<211>   240
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097g10a1

<400>   8897

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gcacgagctt ttcaaatatc attttgacat tgcagtgtgc tacctggaat tgtgcaacct   120

cattacatca ataatgcatg cacggtaact gctactacta acaacccaga aacgtcggca   180

ggggctaaaa ggtacaaaca tctggtatac ttgcggagca aaaaaagaag ggggctaaag   240

<210>   8898
<211>   212
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097g11a1   .

<400>   8898

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tgtattttttt ttttggaccc cacttcccac ct   212

<210>   8899
<211>   461
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097h01a1

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gagaatccaa agaataagat tactgcaata cctgctgagg aagaggaaat ctggggtgca   180

ttcttcaagg tggaagggtc agcagtcctt gcaggcacag agtaaaagat tcattttcaa   240

ataaagtacc gtgtgatgta ttaatggagt aatgtgttta tgtgcttgtg acggtaaggc   300

ttgcatgcgg ggccatgtaa atacctttaa tgataactat gagaagaatg tgactggtag   360

tagagtttat catggtgttc attagctagg attttctctg tttctcttgt acagntgcgc   420

tttctaatgt aataaaagat atgcttttgg tttaaaanaa a   461


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<210>      8900
<211>      293
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097h01d1

<400>      8900
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gaattttgtt tttttaaaa aaaaaagcta attttcaaca gaacaaagac catgacaatt   120

tataaaaaca aacaaaatgt tcacatgaag aaccgtaaag gattatgcaa gcacacgcct   180

gtgaaatata ctgcaaccct acacgaatcc cacaccggcc aattagggga tactccactg   240

aaaaagaaaa ggaatccccc acaatgggaa aaaaaagcct taattcttct aac   293


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<210>      8901
<211>      275
<212>      DNA
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<223>      Clone ID: jC-gmfl02220097h02d1

<400>      8901
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ggtcatcacg atgatgcata tgagacgctc aagagggaga agagtacata tgtaggcatt   180

gataggtgca ctgggttagc cgtttataat ctatgaaagg gccaccccca ctttaaagaa   240

ccttctggtt acccatattt gcgtattcgc aataa   275

<210>   8902
<211>   143
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097h03d1

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ttgaatttcc acagtgttta att   143

<210>   8903
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<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220097h04a1

<400>   8903

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cactgtggga aaaactgagc aatggaaagc tccgattcta ccagagcttg acattgataa   180

catatcccac aaactccatg atgaccctga aaccattcaa atggcttcaa gggactatgg   240

ccatttaacg catgaattcc cattagctgt gtttcgtcca tcttctatag atgacatagt   300

caccttgata aaatcttcgt acaatagctt tgccccttttt gacatagctg cgaggggcca   360

aggccactcc actcatggac aagccatggc tcgtgatggg attgtggtgg acatggccag   420

cctaagaaaa caaagaaatg gggttgcgat tagtgtctct aaggacccctt tgatgggtca   480

ctatgctgat gttggagggg aacaaactct gatngatgtg ctacatgcca cacttgaata   540

tg   542

<210>   8904
<211>   544
<212>   DNA
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<223>   Clone ID: jC-gmfl02220097h04d1

4025

<400> 8904

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gaaccactg aagaaaatcc tgaagtgata aacccaccca gtagtcagtc ttttgttgaa   180

gctcctatca accaaattaa taataataat aatagaatgg attctggcac tcatttgcca   240

gtaaccgagt tctctgactt aggagtgtcc ctaaatgctt ttgatggagc agaacaaaac   300

caccagggag ccacagttgc agattccgaa cgagggcctt cggaagaaga tatctttaac   360

aggcagcagg atggtgtttc tactgccact gctagtggtg atgttgataa tccgatgaat   420

ctctcaactt cctcttctga aagaaaagat ttgcagacca gcctcataga actaataaca   480

gaaccacctc aattaagctt actgatgttc ccgagataat tcagcttcac ttccaacatt   540

acag                                                                544
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<210>   8905
<211>   558
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jc-gmfl02220097h05a1

<400>   8905

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aattagtatt ttgcctttac aagtcatttg aagatggttg gttcactgtg tgttatggct   180

ttggagtttt tgtgagaagt aagaattaaa aggtggcagt gtgcattgtc tattctcctg   240

gagtagtgtg aggaagattc tgactcgcaa aagtacttca acagtctgag gctaaattta   300

cttgagccga gtctttttga tttttccatc cctgtttctt gtgaatggag ctctgctacc   360

tggagaaatt gcattagcct cccaaatgct gagttagtgc aaattgtaca gtgattttag   420

cgggagtacg gaccagattc atgttggctg tgaatatgag tattgtataa actgtttgat   480

tcatcaaagt cttggggttg cgatgcactg ctcagcatat actgacatgg taccttcttg   540

gatatcntgt atcatggg                                                 558
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<210>      8906
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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097h05d1

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ttaagcatgg aagaatcaac tttgggaaga cagacaccat agatcagctg agatcagaaa     180

aaataacaga gcagtttgcc aattctggag gtctgcccat gataacagat atccaagaag     240

gtaccatgtc agtatatgct cagcagtgca tcgcaacccc aagactttga tgaatcaaac     300

agtttataca atactcatat tcacagccaa catgaatctg gtccgtactc ccgctaaaat     360

cac                                                                   363


<210>      8907
<211>      576
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220097h06a1

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tcttagtgcc tccttgccag aagttaaaat ggcccaagaa actttcctat tcacatctga     120

atcagtgaac gaggggcacc ctgacaagct ctgtgaccag atctccgatg ctgtgctcga     180

tgcatgcttg gagcaggacc ctgacagcaa ggttgcctgt gaaacctgca ccaagaccaa     240

catggtgatg gttttcggag agatcacaac caaggccaac gtggactatg agaagattgt     300

gcgtgacaca tgcaggaaca ttggtttttgt ctctgatgat gttggtcttg atgctgacaa     360

ctgcaaggtc ctcgtcaaca ttgagcaaca gagtcctgat attgctcaag gtgtgcacgg     420

ccacctcaca aagaggcctg aggagattgg tgctggtgac caaggtcata tgttcggcta     480

tgccactgac gagactcccg agctcatgcc cttgagccat gtccctgcca cgaagctcgg     540

tgccaagctc accgatggtt cgaagacggg acatgc                               576
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<210> 8908
<211> 296
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097h06d1

<400> 8908

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aaaaaaaaac cgaaaaaaaa aaaagggggg gaattttaaa aaaaaggcca aaaaaaaaaa   120

aaactatttt tccgaagggg ggggaacaca ccaaaaaatt ttggcaaaaa aaaaaaaaaa   180

accccgggga gggaaaaaaa ccccccgcaa aaagggggga gaccccttga atagaaaaga   240

ggagccttcc cccctggggg gggcaacccc cccccccag gaaaaagggg gccttt   296

<210> 8909
<211> 539
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220097h07a1

<400> 8909

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agaagaggag gaggagggag gagtcccagc cccagggggcc gctatcctcc ccgtcccaga   180

caacaagatc tccctaccag ccttcttgtc cgtaaccttc gtcatgactg taggcctgag   240

gatctacgcc gaccttttgg tcaatttggt cctctcaagg acatttacct tcctaaggat   300

tactacactg gagaaccccg tggctttggt tttgtccaat atgtggatcc tgcggatgct   360

gctgatgcta aatatcatat ggatggtcaa gttcttcttg gtcgggagct cactgttgtc   420

tttgctgagg agaatagaaa gaagccaact gagatgagga cacgagagag aaggggtcgc   480

ttttatgatc gaaggaggtc tcctcctcgt tactctcggt caccccgcta ctctcgatc   539

<210> 8910
<211> 537
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220097h08a1

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agcataagtg atggaatccc agagggtcac gtcctaggca aaaacccaac tgaaaaattg   120

aatctttttc tccaaactgg tcctgagaac cttcacaaag gtatagaatt agcggaagca   180

gagacaaaga agagagtcac atgcatcatt gcagatgctt tagtaacctc ttctctccta   240

gtggctcaga ccctcaatgt tccttggatt gcactttggc ttcccaattc atgctcactc   300

tctctctatt tctacactga cttgattcgc cagcactgtg caagccgtgc tgggaacaaa   360

accttggatt tcattccagg gctgtcgaag ttgcgtgttg aagacatgcc acaggatctg   420

cttgatgttg agaaaaaga aacagttntt tcaagggaac taaattcgct aggtaaggtg   480

ctacctcaag ctaaggtagt agttatgaat ttctttgagg aattggaacc acctttg   537

<210>   8911
<211>   362
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220097h09a1

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ggttgatcag gtccaacacc ctacaatcat ggacaaggtt gctggtcagc tccatctccg   120

ttctggtctt tcatctggta ttagaagtta tgatggagcc taccgccacc cagctatgta   180

ccaaagaccc tcttttggga attactcgaa tgctgcattg cagtttcctg tgatgcccac   240

atgcaaagct accatggatt tgtctgctac tgcaacatct gcctcacccg tctttgttgc   300

tgctccagca gagaaaggcc attttctttt agactttctc atgggaaggt gtttcagcag   360

ct   362

<210>   8912
<211>   375
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220097h10a1

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gacctgggaa tctttctttg gttaaaagca cacagacaat gggcactgtg gtttacaatg   120

actctccacc taagggatct aggggtcaga acacgggaga tgaccacaaa aagccaaggg   180

gcttttaaat acgctataac cttccatagc ggcattgaat ccgctcgtta agatagatgt   240

gataaagtct gatatatcgg acatactaga ccagaaatgg aaaccactat tcgtgacaca   300

aatcgtggag aacatacaac acgcaccctc cccagatgcc tatatttcca gagagccctg   360

agactgatgg tgcgc   375

<210>   8913
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097h11a1

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tgtaggcgca attccccccca catgcaagcg catagagtgt cccagctatg atgtcattca   180

cgtaggcaac ggctacgaaa tccgtcgcta taattcaccc gtttggattt caaacagccc   240

cattcaggac atttttctcg ttgaagccac aagaaccggc ttcaggaggt tatttgacta   300

tattcaaggt aagaataact acaagcagaa gattgagatg acagcacctg tgatcagtga   360

agtattaccc agtgatggac ccttctgtga gtcctcattt gttgtgagct tctatgtgcc   420

aaaagagaac ca   432

<210>   8914
<211>   536
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220097h12a1

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cctaagcctt ctccacaaga aactttgcct gctcagaaag aatccaaaaa caaggggagg  180

gatttgaaat ccaaaccgga gagtaaggat gtagcagaaa ctgatgaata tgaatttaaa  240

aatccccaaa aggaggcccc tgccaaagag tgtgaaatcg atccagcaaa gctgaaagag  300

atgaaaagag aggaggagat tgcgaaggca aagcaggcct tggaaagaaa gaagaagtta  360

gcagagaaag ctgcagccaa agcagccatc agagcacata aggaagctga gaagaagctt  420

aaggaccgtg agaagaaagc aaagaagaaa tcaggtgctg cagctgtggc caaccctgag  480

gatgaaccaa aagatgaagt tgtcgaggct acagagccag aaagggttac gatgat      536


<210>      8915
<211>      354
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220098a03d1

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acagaaaaat caagagttga tcttttgtcc aaaatgtaaa acacaacaat tgttttttat  120

caactaatat ggaaacagtt taatcctttt tgtacaatca agagaattct atatatcatt  180

ccgtgtgaaa cacatgatca gcaatggcta cagtgaagaa ctctgagcct ttttttggaa  240

ccacacagct gcaattgtca caagggaagc ataaactgaa ttgggtatct tttgcaccag  300

tttcccaaca cccggaacac cttcagtagc cttctttgtt gccactgcaa ctgt         354


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<211>      495
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220098a04d1

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acctggggaa catataaaag taaaagaact atataaatta atccagctga ggaacccaaa  180
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4031

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tattatgctg ctgtagcagt ggtgggggct cttaactcga ttttctatcc tttctttccg   300

caatacccaa acttaacaac atacttttga accctttatt ttctccacaa agaaaaatcg   360

atcagaaccc taaagaatta tgttttaggt cttccttatt cttcaattca tgcaggctcc   420

ggccttctct tttgtaagaa caaaggaaag aaaggaaaag tactgaatgc aacagcacaa   480

tgcaggatac acata   495

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<211>   341
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098a06d1

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gggggcacat tgaattagta tctccattac agttatgggc gttgcatcca aacccaatag   180

aaagctcaga gttttccaca tcccaaaaag taaaatccta ctacagttta gcaccgagat   240

gtcctaaacc actttacatg aacacaaatt cgagttgtct tggaagagga ccaagaaata   300

aaagctagat aatgttcaac cctgcctcca aaaataccaa t   341

<210>   8918
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098a07d1

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ttgaagtgca catgattaat aagattcaac caaactagag aaggccacca cggagcctaa   120

ggacaacata gacatagaaa ttttgttata tcatacacat tcaaggaaga gaaaatctca   180

atagcaagat tcaactgaaa ctagaaatcg ccaccacgga gcctaagaac aaggtgaagc   240

gtggattcct tctgaatatt gtaatcggcg agagtgcgtc cgtcttcgag ctgcttccca   300

4032

gcgaagataa gacgctgctg atccggtgga atcccttcct tatcctgaat cttcgccttc   360

acgttatcga tcgtatcaga actctccacc tccagagtaa tagttttccc ggtgagcg   418

<210>   8919
<211>   363
<212>   DNA
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<223>   Clone ID: jC-gmfl02220098a08d1

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tattcttgtt cattttcatc catgcttaaa ttctaagcta tcttgaaagg aggggatttg   180

agagatggat tagcgaaagg gccctcaact agtcccttag ctattagcct atacgctgct   240

tcagtaaaat gaggcccatc ccaatttatt tgttttgaag gatctgagca aactattgca   300

gcaggactac cacataatat ttgaaaactg agattgtagg ttcacccttc cacaacatgc   360

ttg   363

<210>   8920
<211>   339
<212>   DNA
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<223>   Clone ID: jC-gmfl02220098a09d1

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ccaaggggaa gctaaattaa acccaagaag aaaaaaaact tattaaaaaa aggccaacaa   120

cggtttaccc ctccaaactt gggcacttaa acaaaaatct aaaaatgaaa aagaaagaaa   180

aaatcccaaa tttttggggt tttgggggct tttatactag gcggggcaac ctacaggggg   240

gccacccact tacgtcacga gtcacgagcc gcattgatca aaacgacatg atcgattcga   300

ggctctctat aacgggtcta tttgagtcac cacaatggg   339

<210>   8921
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aagccccaaa cctagaagga tgatttagcg gtaaacgcat agatgacgaa gaggacaatg   180

atacaagccg acaggttaat ttagctacgg aacaaaatag ggcccgcgcc agtgtagtaa   240

gaacttgaaa ggatataaat aaggatagaa atgctaagcg aacggattag ctattgggaa   300

aaagagaacc gaaggactgg tgctgctgct gttgtacgtt gtactagtgt taacgacaaa   360

tgcacagcac ggtgggtggt gcttactaga caataacgca gcaaactggg tgtgttatag   420

caaagttttg tatagcgctt tgtgcaatga catatgtact ggcactggtg cgcaacagct   480

gaaagcgcaa gccacac                                                   497


<210>      8922
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<223>      Clone ID: jC-gmfl02220098a12d1

<400>      8922

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ccccaaaaaa gtgcctggga tgggggttag attacccctt ttgcatgccg attgtactga   180

agtctgggta aagggttaag agggtatttt aaggggccca gaaagctttt taaagaaaaa   240

aggaaaaaca attttccctt gggattgggg tgcaaaagtg ggcaaagggt gtggcctttt   300

aaggtttggg aaaccagggt tcaagagcga aaacttttcc ccgtgggcaa acccagtgct   360

ggcactttca gggtcactgg atacattttc cttgctcatc ttagactgtg gtgaggccct   420

ttttttaaagg taaggtatgc ccttctcggg gataattccc gcaagcccaa aatttgcctc   480

ggatttaatg gaagtcttg                                                 499
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<210>   8923
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098b02d1

<400>   8923

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tgatttttt atttttattt tcctttttat ccctttttat tttttaaatt ttttatttta   120

ttcacccaat attattcaaa aaaaaaaaaa ccccacaaa taaaaaaaat aaaaaattag   180

accaacaaac tccttaaaaa aaagaacccc aaaaaaaat taaacccaaa aaaaacttac   240

aaaccacaat atgttgagcc gctaaaaaaa acccccccac accaaaataa aaccaacccc   300

cctaaaaacc ccccaaaaaa aaaaccctcc cccccccaa attttataat ccaaaaaaaa   360

aaaaaaagcc ccattctttt ttttccaccc caaaaaaaaa tccacccaag gaacaaaaaa   420

aaaaaaaccc ccaaatattt ttccac   446

<210>   8924
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098b03d1

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cttgtgcgaa gatccatgta taaattgcag cttttggtgt caatccatgg ttatatgtat   120

tcaagacatc ctactataca taccacaagt ataaaaggag ggccacccag gacccacttc   180

agggtggatc ctctcttgaa cccggaaaaa aaggatgact catgagccct cactaggcag   240

ggataatgaa taatgaaatt gatagcacaa aaagatattt tacatcaata aaacatgcta   300

cattaataaa catttgaaga acccaacgaa cccctcgaag gatatcaatt acacccaaga   360

agattttaga gacgccagac aaggaagcag tatttcacca ttgatgaatt gtaacttcaa   420

tcaaaacaaa tatgctatta gggaggtaat gaaacagggt tgtggtcccc tccgaataga   480

atcgttgaac caattacctt gaagtagatc aatgtatca   519

<210>   8925
<211>   219
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098b04d1

<400>   8925

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gtttatacgc cagaacccccc cttacccttta taatatctat atattatgga cattatgtaa   180

ttatatatat agaacaatac acattatatt tatatatac   219

<210>   8926
<211>   398
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098b05d1

<400>   8926

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tttcataagg attttcatca atccaactaa tcatctagac aactacatac acattagagc   120

taaaatgcta actatcacca aatcttaccc agagagaaca atcattgtca tcaaataacc   180

ataacttcac aagccactta atttcactat tttaagctat aaaactaata aaaatgactc   240

aaacaatttt gctttttttt ttgttctttg agtcaatgct tctcagagcc agaatctctc   300

ttctcccaaa acttgaactg cacagatctt tgttctagca tcttctccac ttcctccata   360

ggaacccctt tggtctcagg cacaaaaata atgacaaa   398

<210>   8927
<211>   433
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098b06d1

<400>   8927

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4036

cttgcattgt ataagttagg cggtgtttag tttaggaagc taggagagaa ataagaaaga   120

aatttggtgg gtctcatgtg gacccatacc ttttacacct tattttaata ataaaaaatt   180

ctcttcaatt tacatctcta tttttattct ctgaaccaaa gacaacatta ggcatgttcc   240

cggcaaagtg gaatcacata ctagtacact agttacaagc tagcagacaa aaatgatgat   300

gcttctagct gtcttaagct ttcggccaca tgagcaataa ctcctacacc agcattgtga   360

aaccattcat tnttcacatg aatgttgtta tgagcaaaga aaggccagaa tgctgagtga   420

aagctgacat caa   433

<210>   8928
<211>   178
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098b07d1

<400>   8928

atcttcatta aacaaatcct ccaacgggga aaaggtttgc ttcaacaacc tgcactcccc   60

tcatccctat aaattaacct tccgaataag accttatata caaaactcct atcaaactct   120

tactacatga actatttatt taatatacac tgagactgtt tcaaaacagc acctgtaa   178

<210>   8929
<211>   395
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098b08d1

<400>   8929

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cccataggcc ataaatggct ttatttgaat tttatcttcc catatcttac agtttaaata   120

ctcactcaag aatctgttca ctcccagaca ttcacaacaa taaataactt gaataaaaag   180

aacatatacg aacgaagttg tcgagcaggc agagacgaga attcacaatt tcacaccatc   240

tggacccaaa taccgtggct tggaacttct tgatggacca caaacagcag atagaaaccc   300

ggtggcgcaa gaacagcgga agccggcgcg gtaacttcaa cctcgtgcgt tgattctcca   360

accccactca aatggtgcgg cttcagcacc aacag   395

<210> 8930
<211> 460
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220098b09d1

<400> 8930

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caatacattg attaaaaaag acaagttgat tgccaaagcc aaccaaaaca agtaaaactt 120

taacattata tatatagaga gcactctgca aaagttacag gtagcaaata atgtacacac 180

ctctctcaca aaatgcaaca agcggcaatt catgagtact gctgtgctgt ccagtgcaca 240

tcctactttt aatatatata tttactttgt tttatttaat tattaattaa ctaatacaca 300

ttaaaaagaa gattgatttt aagtttgagg tacagtaggt gatgaggagg atcagaagga 360

agaagccttg gcgagtgact tgatggtaac atcgggaccc agaacaactg gtttaaaatc 420

gaacgtaaac gtgtcgtaac gcaggaagaa ttccaccaag 460

<210> 8931
<211> 329
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220098b10d1

<400> 8931

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aacccagccg tgggggttga tctaatgtac ggtaggtatg gcgtgtcgat cacccaaata 120

cggtctaaca gtatgcctag acagctatta gcagcctgag gagcaaatca ctgccggttg 180

agcgcgctgc tcgtgagagt cgctcagatg atcttcgata caggttcgtt ccgaattcga 240

ctctgttcac acagatccac cgattacgtc actatccaat gcagcagttg caactgaagc 300

taatagtcag gccatctgca cagtctcta 329

<210> 8932
<211> 429
<212> DNA
<213> Glycine max

<223>　　　Clone ID: jC-gmf102220098b11d1

<400>　　　8932

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gggggggggg ggggcaatac acaaaacgca atagggaggt atagagggta tgatagacac   120

tgcatgttag aaagcgaaag agacaggata gctgtaagag gctccacacc gattaataca   180

tgaggatggg aagatacccc gcgacttatt gatccaggaa atgccttgaa catagcatat   240

gaaaatgcag atctcaagca gataagacta tggaatccgg atactgcgtt tagaccggag   300

gagcagtacc gcaccatgag cattcacatt agcccgaaag ctggagcaca aaatatagcc   360

tatcaggaac tggaatacac taggatggac attacatagc aattacattc acttgaggca   420

tccgagaca                                                           429
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<210>　　　8933
<211>　　　532
<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmf102220098b12d1

<400>　　　8933

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gctggcttac cggccgattt gccgtgctac actgttgtag taccaccttg cttggggggg    60

gggggggggg tgctgtggca aaatgtaggt ggtgttggtt agcgcaaaga aggtaaatga   120

cagataaagg cggctgtaat aataataaag gagggcaggc gggacggggc ggagccggcg   180

tattgaagat gaaggaacca ccggggcaga atagcaaggt gaagggaggc ttgagagtac   240

cgactgaaag gaaagcggt aagagggggt accaatagta gaaataggcg gtataatagt   300

acactagcaa taaagatagg gggaggttgg cacttatgtt ataaatggcg gaaaaggtgt   360

agaccaggcg tttttggtgc taagcggatg gacaattagg gttggtacgg gggcacattg   420

ggtttggagc ggtgtagtgt taaccagggc cgtgatgggt ggtgggagtg tttaatcgca   480

gagtactttg ggcgtaggta aagtcaagtt taaattaatg gctatagagt at          532
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<210>　　　8934
<211>　　　403
<212>　　　DNA
<213>　　　Glycine max

<223>   Clone ID: jC-gmfl02220098c02d1

<400>   8934

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aaggatattt ttaaagtttt tctcccttgt accccgttta acaattttta aggaaaaatt   180

taactacaag ttcaatgcca aaaaaaaaaa attctgactt attccctaaa gattattaaa   240

gcccactaag acctaaaagt ataaatttag tacttaatt tcaatctggt tggctcttat   300

ataaatacat ggaatggtgg caacaaccaa ccagggcttt aaagaataaa aagtaaaaat   360

aataaattta agggcatttt ggtccccctc ttttacctc caa   403

<210>   8935
<211>   528
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098c03d1

<400>   8935

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agattgcaga gacattttat gggtctacaa gggattctca cgtcaaaatt ttatcgcgtg   180

taaatgctct attcttgtat gttctgatat ataattttga ctggatatga ccgaaatggg   240

atggtctctg gctctacaaa attttcaaat cacaagctca tgtatgaaaa aagagatggc   300

actaggtcaa ctacagacca ggcaagccct gcatactgaa caaatctaat tccggtatca   360

acatcgaatg ccttgtgctg ggaaaggagc ttttgcaagt aaccttgttt aagcttatca   420

gacattttac ctgtcacaga tccattcagt gtaggtatat agccggttga tttatcggga   480

tgcccaaggt gtcgctccac aggaatggtc cattgcgag agtctact   528

<210>   8936
<211>   217
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098c04d1

<400>   8936

gccaataagg acaataaagt ttctagcctt attttatata ttgctggatt gatgttttta   60

gctacattgg tatgtgccag agataacata tataacaagt gtatgtatta tagcataatc   120

cttagtttag gggcaaaaat gttcctccaa catgaaggtt ttaaaaactt gaccaagtcc   180

tttcccttgc acagaccata atatcactga tcaatat   217

<210>   8937
<211>   353
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098c05d1

<400>   8937

ccaaagaaag gggaaaagtc tttatttttt tagcgaattt tttctcaatc ccccaaatat   60

atgggggggat aaaaacccctt ttctataaac caccattgtt tggggcaccc gaagggctaa   120

ttaattaact ccttgggcat gaatttcttt ttaacccacc ttttgagcat tatttgcagc   180

ctttgatgaa caaagtgttt attgacttgc cctccctgct tcatccaatt ttagataaaa   240

cgactccttc ccaattttct aaacaaactt ggatattata agcttctcca tcacctccag   300

ccttgggttt acaaacaaaa ccttaactcc attctttccc aatattttaa tta   353

<210>   8938
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098c06d1

<400>   8938

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cttagataca tctagtgatc actcacaccc aacaacaaag actatgaagt gtctgaagaa   120

atagaaacta atacaataaa aggctcgcat aagtgaagcc ctacagtcac actcgatttc   180

tcttattctg atagtaagtg cttcactgct gcctcagtat cccgctgcag aaatgagcaa   240

atctgtccat ggcttgttca gaacctgatg cttgcacagt tagtggagcg gctgatcttg   300

taagggacat tgaccttgca gaaaccaggg agtgcctgag catactggtc attgatgttg   360

tacctagcag catccgcctt gagacagttg cacacagttt gtttgtcaac ggtggtgaca   420

<210>   8939
<211>   375
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098c07d1

<400>   8939

atgaatgcga attatgcatt tgctatcaat gtggggtctt tgtacaaaca atgaatgtag   60

ccgcagaaat tttccacagc aaaatgctac ttaatctcga tattcctatc tctatcctca   120

gaagctaatt cagcgagcaa gagaaaacta atccaaggta caattaaaaa aatctatcta   180

cacaatgtat gggggaaat aaccagctgg ctgcttctg ccttaatgct ggcctgtgac   240

tccagaaagc caagaactat aaagatgata gtgtccgtgt gaaccattct gataggcgtt   300

tgatttttgc tgacagcact gcatccttt cgagaaaagt ggtggcattg gacagtagaa   360

tggtcacatc atgct   375

<210>   8940
<211>   309
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098c08d1

<400>   8940

gtgtatagga aaaaatgccc ctcgtttccc tcgggagatt ttttgcattt ccatttttgg   60

aataaaaaac agggagtctt ttgtttggga cccacaatca caccctccta catcactcca   120

actaattact ttgcctactt tttcaacaaa aattgaatcc aaagatttga ccctgatgct   180

tttatggggg ataaaattaa ttctacaccc ccagccttta gtcagcctaa ttatatttct   240

cctaactagt tagggaacct cctaaattgg gtccctgggt tggaacttgc aaatcccagg   300

ggccttta   309

<210>   8941
<211>   468
<212>   DNA

4042

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098c09d1

<400>   8941

attaatataa aatactaatt ttttctttta ttttattttc ccccccaaa aaaaaaaaa   60

aaaaaaaaaa ctcccaaaaa aattttttcc caaaaaaaaa aaaaaaaatt ggggaaaaaa   120

aaaaaaaacc ccccctcaaa aaaaaacccc ccaaccccac ttttttttcac cccccccac   180

acccctttt tttttttaaa aaaaaaaaaa agttattttt ttcctctttc cccccccccct   240

ttaaaaaaaa caccgccccc ccccaaaaaa agggtccttt ttaaaaacca aacaactccc   300

cccaatttat tataaaaaaa taacccccac cgccccccca caaaaaacaa aaatgggtaa   360

aaaaatctcc cccgggataa aaaaaaaaaa cccccccaac caaaaattcc accccaaaac   420

acctaaaggg ggtcccccccc ccccaacccc ccccaagaa cacaaaaa   468

<210>   8942
<211>   581
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098c10d1

<400>   8942

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tggggaacgg ccatgagggc ataaacttgg tagggggggca acaggggcct gggcggcaca   180

aaagaaaaag cgtacatacc cgcaacattc cacagcaatg gggtggccgg cctgatttag   240

aggggaagcg taagcaaagc tgtcggcgcc aacaatggga gaaacacctc cgtggcaata   300

tgcaatccaa atgcaggaga ggtaagccac aatgtcagtc tagaacagtg ccagaggagt   360

tagtaggtgg tgatttaaac tggctgctat ggatcaacgt tggttgattg agcagccaaa   420

tgcgcgagga taggtagaag ggtaacccct ctaagccacc aatatggggg accgtgctga   480

ctgaaagcaa tgtttaggcc gtgaaggagc ggccaaccgt agctggacga ggctacgact   540

ggacacaagc cgtgaagtag ggcagctgaa gaaaagtagc c   581

<210>   8943

4043

<211>   424
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098c11d1

<400>   8943

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cggtgcgtgc atattagtcg aaggagaata gatagtagac acgtttgcaa acagcatgcc   120

cactgaggat cgcttgacct acagaatgat cctgtgtggc agatcacttc ataaagcact   180

ctgacacgag tttaccccat gtgaatttga ctagcgctct atttagaagc tagaaccagg   240

tagtcgcgat tgtagcagaa atatctgtga gctggatcaa tggaaggcaa atcactgtca   300

tgttagagga ccacttaagc gcatacaaag atgattagtc gcttgccaag tgtttaacta   360

gggtaatgca catctgcagc ctaagcaccc acaactgttg cacagccgca gatccagcat   420

agct                                                                424
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<210>   8944
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098c12d1

<400>   8944

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ggggggctg taaaagcaga gctgaggcgg gaggaacgaa cttttagacc catagggacg   120

agagagtcgt atagtagaaa aacaaaaaca aaaacaagtg ataaaactg cctagacgct    180

aaatgcttgt ttgggattta atcaggctgc acgaaactaa tctgacgctc tatggaaagc   240

aatgggtaat gaaaatgaca actacaaaac accaacaccg aaacgagtta tgataaaaat   300

aacgggccaa caaactggga ttgagatggc ataatgagcc atggcagggc cgctggtgag   360

tgttgctgga tcacaactta aacgaaatgt agcacacctt gttggccaac gcatgtctag   420

g                                                                  421
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<210>   8945
<211>   236
<212>   DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d01d1

<400>   8945

gggcccttca acgaaaaaaa ggcctttttt tgttaagccc tttacgttca cactgaattt   60

acaaaagcaa aatttcgttt ttagttacag gcaattttgt tttccgcact ctgtatacta   120

atataactgg tggcagcatc atagctacaa gctactcctg aactaaatgc atcgatacca   180

aattacacga caaaggtgtg tttctttcgt tctccctttt cttacaaaaa ggtaat   236

<210>   8946
<211>   223
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d02d1

<400>   8946

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aaggaaacct cttgcctagc accagcatta ggtaaccacg ataagaatc aggtggtggc   180

attacacagt tgtcaccgtt gaagtagacc cttcgaggaa aag   223

<210>   8947
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d03d1

<400>   8947

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acattagatg ataatcatac acgtgtgtaa catctaatat tttagggaat ataaaataaa   120

actaaataac ataataaaag gataatatca taaatatgca gaacgacaca gcaaaaacaa   180

agggtaacta acagcaattc cttaatgcta ccgagtcatt tatgaatgtc tgttggatca   240

atcaaccttg tccacaaaag aaggcagaca gaatgcagca gcatggatct ctgggttata   300

aaacttagta ggtccctttg ccaccccatt tttctctgga ttcaatttat ttattggatg   360

4045

tttgaagttc actggtggac cctccgtaga gcaaagcatg aatccaatca ccccacttgc   420

atatgtagga accgtggtcc aagcatagtt aacggagcct ttgaatatct tcttgcaatt   480

ggctatggtg tctgcaacca caaagttctt at   512

<210>   8948
<211>   178
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d04d1

<400>   8948

aacaaccagg cctttttttc aattcaaaaa caattggggg acaaaagggg aaataacctt   60

ccccaaaggg gccaaatccc gcccacaatt tttaaatcgg gaatcttctt cccggggttt   120

gcccttggca tttgatacccc ggggaagggg accccccttga acaaaaatcc cttgaggg   178

<210>   8949
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d05d1

<400>   8949

aaaataaaaa cataaacaac atactttcgc tggaacgagt tcaatacatc attttaaaac   60

ataataaaca gcagcactta aaccagagat gcaaagcaca agttcaaggg agacactgaa   120

caaacagatt agacatatga gaacacttca taaaagggat tccccttagc aaccaccacg   180

aaggcgaagg acaagatgca aaggggattc cttctgaata ttggaatctg ccaagggacg   240

accatcttcc aattgcttcc cagcaaaaat gagcctctgc tgatctggag ggataccttc   300

cttggcctga atcttagctt tcacattggc aatagtatca gagctttcca cctccaaggg   360

aatggtcttc cctgtcagag tcttcacaaa tatctgcata cctccacgaa gcctcaacac   420

caaat   425

<210>   8950
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d06d1

<400>   8950

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aggttttttt tttcctcttc aatattgggc catcaacaga tgttctgttt aaacaataag   120

aaagaaaaac tacaatcata gcaccccga aaatgttaat tgagcaccaa tggctgaact   180

ccgttaatca gtagttatcc ctcaatttcg ctgctaacat ctaaaagaat gaacagataa   240

tacctagatc tataaaggaa ttatattgct attgtctaca aagctctcaa ggcagtatgc   300

aactgaaaag agtgaacata atattcaact gatactgatc ttcaaacaaa tttatgagag   360

ttcgcataag agtagggaag gttgagcttg tgatcctcca atcaagccaa ggagcatacc   420

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cccatcatcc atgat   495

<210>   8951
<211>   420
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098d07d1

<400>   8951

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ggatatcagc aaacaaactc ctttctacaa gggggaagag agtctgggag atcacccact   120

ttctcacttt ctactacaca gagagaaaat caccgagagt ggaaaaacaa gattctctcg   180

actcatacag agtctcagat ataagattcc taaaacaaaa caaaaatcta cagaagcgtg   240

ctctgttccg ttccttcctc tgccaccacg agtagaccac cttattgaga cagtngagag   300

aaaagacaaa aggagcaaaa ttagctacac tgcaccatgt aacttaggtc atgtctctct   360

ctagctacat tctcaagtga gttcagccgt gtcacccgca ctcaagatcc aggatatctc   420

<210>   8952
<211>   421
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098d08d1

4047

<400> 8952

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aggtctaaat gcccaatgg tctctaacag aagctaaaaa agacaacaaa gaaaaacaat   120

aacgtatctg gaaaaccaga cttattttca caggacaga ataataaaga cacttaagga   180

aactactctt cctcatcttc ctcattccag cacttagag ttgatctagg tgaaccacag   240

tcactagtct tcccgaattt ttggtagaca acagaaccac ccattccaag cccttcgtgg   300

ctcctctctt cacgacagta tcccttaaca tccagaaagc aggtctgctc aaacgacttg   360

cttgcaccat ccacatgaac tgcaacagat aactcagttg ggaggaaaca tgccaatacc   420

c                                                                  421
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<210> 8953
<211> 403
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098d09d1

<400> 8953

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tttttttttt tttttttttt tttttttttt ttttaaaaat tataattaaa ttttttaaaa   120

aaagaaaaaa aaattgaaaa aggaaaaaaa aaaaaaacgc caaaaaaaaa aaaaaaaaaa   180

aaaccctccc caaaaaaaaa aaaccccaaa aaaaaaaaaa ccccaaaaaa ggtaaaaaaa   240

agggcacctc ctaaaaaaat aaataaaggc cccaaagagg aaaaaaaaaa acaaaccctc   300

caaaacaaaa aaaagcgcca aaaaaaaaaa cccttttttc ccccaacacc aaaaaaaaaa   360

cacccccaaa aaaaccataa ttaatttttt cacaaccggg ggt                     403
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<210> 8954
<211> 594
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220098d11d1

<400> 8954

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ctgcttgcca ggaatttgcc gtgctacatg tgtgcagtac ctccttcttg gggggggggg    60
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gggggggggga ccagaatcag caggacaggg aaggagaaaa agaaaataat aaatagacaa    120

cagcacagga tggggaagga aaagaaaata cttattagaa aaaagcagga taacgtctct    180

aaacccatat atatgcttat gattacttag taatatttgc gattgtatag gtagtgtgtg    240

taccaattta agctaggcag cattatatca gatggggcag ctacatacag aatatgaaga    300

cgaagagaag atatagaata cacaaacgga tgattctatg caagaatttg aaggaaacga    360

aaagttgtac caagcagtaa tctacaaata gcgggctccg ccttagaagt ccggcgagtc    420

cagcaccaag tgcttaccct ggcaccacac cagtgccaag tgtcccaagt gtaatccaga    480

atttggtcat tgtggtactc agtgtaacca gccacggtaa caactctaag tcagtcctta    540

cggttaggcg tgcgctgtgt acaagctgcg gtcttctggt gcgtgtcatc tatc          594


<210>      8955
<211>      543
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220098d12d1

<400>      8955

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gggggggggg gggggggggg ggggatgtt taaaagaaag aaggaaaaga aaagcaaaca     120

tcggacagcc cggggcggat atggaatgaa gttgctgagg ctacggtaa aaaaaaaaa     180

aaaacaggca ataaaatggg gagatgggga gataggatat ataactcagg cttttgttgg     240

taataggtga ttaaccataa tggaaggctg gcacggcagc acataataaa aatgtggttg     300

acggacctca catggagaca cccagaagta ctaattgtta ggttaaagct tgcgcgactt     360

gttcagcaat gaaatacaag atggtgcata gggggtaggt gatgggtggt agggtggcaa     420

cgcgaccgac cgcaatacac gaatggtgca aggtacacaa cagcagcatg gttcaaggca     480

aggttagcac gacttagcgc ctcacgtagt gggagtaaaa tggtaaattg cacaaaagtt     540

gag                                                                    543


<210>      8956
<211>      411
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmf102220098e01d1

<400>   8956

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gtaaagcatg ataatatgtc gctacaacta caacagacaa acacatacgt cttaaaatta   120

ttactcgtat taagaagcac tcacacaaaa caagcaaaga tcgatatata agaaagccaa   180

gtctaacaac atgattgaga gtcattatgt tcctgttcat gattagtact taattagaca   240

tgcatctcat ggttttggtt gatgaaatat tataacaaac cataatgaca caaatttact   300

attattcaac cacttagcaa tgtccatccg tgtctgctgc agcttaatta tccttacttt   360

agtaactaag ccaactgggc accgcaatta caaaggatgg ggcaggtcat g   411

<210>   8957
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098e02d1

<400>   8957

aagatgcatg aatatccata tattgattcc ccataataca cttatgaggt cattttttcaa   60

aaaacaatat aaaaatttca catgtattag ctgtacagtt ttctcatgtt taatttgtac   120

aagatatgat atgattccac cctagcttgg aagaagaatc acaacaactg tgctgaaaac   180

aaagctaatt tatttattct acatagacac attaatttgc acacaaaata acaaaaaaaa   240

tcttcccaag attaggctgc agtatgatgc cctatttggt gaaaccaata gtataaggaa   300

cgccagtagc cttcaaccaa ccatcagcat ctccagcagg tccacctctg aggaattggg   360

cagcagtgaa ttgtgcagct tcgttcttat taatattggg atggtaaccc ctccacttta   420

cccttccttg aacgttagaa ccaggtccaa cgttagcata ctcagcatag tacaacgtat   480

caagatcagg ttccc   495

<210>   8958
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098e03d1

<400>   8958

cacaagactt gaataaattt catttcaatt atacgtttcc atatatacat caggcacaca   60

agtaatccat tcatatgtta aattgttaca caagcataca acagtgtcat gatttcctca   120

ggtccacaaa tattggaagt ttgaatgcca atagcctcga atatgcaact tgaatcttag   180

cccaaaactt ttacttagtt attggctttg ccatagcttc ttgggaaagg ataacgtcc   240

ctaacattgc caaggccagt tgcgaagagg accatcaggt caaaccttag agtgaaccca   300

gagttcttca ctgttccgtt tcgacgaaga tctaggtacc attcatactt ctctcgcggg   360

aagcctaact aatcaatcct ggagcttatc atgttaagac gttcctcgtt ttggctacca   420

gatattattg ttccaagctt tgggacaacc aagtcaaacg cagctacagt tccatcatca   480

ttctggcgag cataaaatgg gctagcttct tttggataat tgat   524

<210>   8959
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098e04d1

<400>   8959

ggggntnnna atttctgtga atgcgcattc gtattcngta cggattatta ccgctcgcca   60

gctgactacc ggctggccgc cctttttttt tttttttttgt agcattgact ataggcaata   120

gccatccatc aagggtgatg tgaaccatcc tatgaagaga cagagaaatt aaacaaggag   180

gcaaccatat gcctaatgag gaattaaaag tatagaattt caagccagga ataataaat   240

gagaaagaaa cagaaagcag ctgtaacatt ttaaagacca acttagaact acccttattg   300

atcctaacca tagctttcac atgacctcac tgatagattc ataatactag tgccttagaa   360

ttttgcttca gttgttgaga ggtgcaggat atctgttgat gcaatcaagc caagggttcc   420

tagattgctt ggtaactctg cgcatggcgc gcccaaccac gctgttgc   468

<210>   8960
<211>   325
<212>   DNA
<213>   Glycine max

<223> Clone ID: jC-gmfl02220098e05d1

<400> 8960

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ctgtagcatt gactataggt aatagccatc catcaaggtt gatatgaatc atcctatgac   60

gagacaccca aattaaacaa ggaggcaacc atatgcctaa tgaggaatta aaagtataga  120

atttcaagcc aggaataata aaatgagaaa gaaacagaaa gcagctgtaa cattttaaag  180

accaacttat aactacccrt attgatccta accatagctt tcacatgacc tcactgatag  240

attcataata ctagtgcctt agaattttgc ttcagttgtt gagaggtgca agatatctgt  300

tgatgcaatc aaaccaaggg ttcct                                        325
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<210> 8961
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220098e06d1

<400> 8961

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aataaatgtt aaattaataa attaagtctt gtaattaaag acagtgggag tacatcttag   60

ttctactatt ttctttgcct cagatccctc aaatcatata atccaaggga aaaggaagaa  120

caaagcgagg aaaaggaatt aaaaaaccac ggaagcattc acttcgggtt tgatatgtac  180

acgacttatt tatgttacaa ccacaaacga agctctttat ttggttcaac acgacttgtt  240

tacttcacat tttagaggac ctgcaaagcg agtgagactc gatacggctt tcccaggctt  300

tgctatgatt tctgccttgg datttttgc tacgttttc ccagactgaa caaagaaggc  360

tccattcatc aataaatcac cctctgatct ccaattccag ttcttccaca cactttctgg  420

tgcatagtcc ccttttgcac ttctttggc                                   449
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<210> 8962
<211> 202
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220098e07d1

<400> 8962

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aaaaaccggg gtaagggata tgccaatata tcatatcagt tcaacacact actaaaacag   60
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ggaacagaaa cacccaaaac gggtgagtaa aaagaatatg ccacacaact gattctagca   120

caaaagagta acaacagttt gatgaaaatc aggaacgcag caggaacttg gaatccttaa   180

tcagctaaca atctgcattt gt   202

<210>   8963
<211>   235
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098e08d1

<400>   8963

tgtcaattan tgactccgta tagcattaat gctatatcat acatactcac tattcggtgg   60

ccgggctttt tttctttatt tttattttct cttatttttt acacaacaac aaaattatta   120

aaaagaacct tttaaaattt taaaaccata nccccccttt tccctaattc aaaaatatat   180

ataatatata taaataccat tatattacaa atattttta ttatcttcta taaaa   235

<210>   8964
<211>   549
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098e09d1

<400>   8964

aaatcgcgat gcgttctgta tncatttaaa aggttaataa ccaacatact aatcggcggc   60

cggccttacg tcctcttttt tttttttttt tgattttttt tttttcttca ttataacaca   120

aatgggaact tggtaccaat tctcattttc caaccctatt atgaattcca taaggatttt   180

catcaatcca actaatcatc tatacaacta cctacacatt aaagctaaaa tgctaactat   240

caccaaatct tacccaaaga gaacaatcat tgtcatcaaa taaccataac ttcacaagcc   300

acttaatttc actattttaa gctataaaac taataaaaat gactcaaaca attttgcttt   360

tttttttgtt ctttgagtca atgcttctca aagccagaat ctctcttctc ccaaaacttg   420

aactgcacag atctttgttc tagcatcttc tccacttcct ccataggaac ccctttggtc   480

tcaggcacat aaataatgac aaataagatt gccacaatgg ccacaattcc aaacatcatg   540

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<210>      8965
<211>      618
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220098e10d1

<400>      8965

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gggggggggt acaactaaaa gtaagcatga acagctagga tggcaccggg aagactataa   120

gacgagggtc ctcgaaaata aaaacgacga actacgaata caatgaaatt tgaactaagg   180

tcttggccag tgtaaaacct aaacaagagt ctaataagcg gtaagggaat agaggataat   240

aaaaaacctt caattaattg cacaacaagt tattccatat actcggtcgt tacagtttcc   300

tcgggatatc tctctcatcc ttcctctcct cctgcaactc ctcctcttat tcaccaatca   360

caccaagttc cactgcggtc cagtttgtca cttcaaggtt cactggatcg atctcgctag   420

ctcatcgtag actgtggtga gacgcgtatt gaaaggtaag gtatgccttc gtcggggata   480

atcgtcgcat gccctagaat ttgcctcgga tttaatggaa gtcttggcta gtatagttta   540

tgggtgctac tgcctcgaag actctaaacc tttctattca gtctttggtt taatacggct   600

ctacttgcaa gcctcaag                                                  618


<210>      8966
<211>      491
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220098e11d1

<400>      8966

gtgaacagga cacaagcgat ctatcgatac gaatgtacca gctcctgtct gcagtgatag    60

acgagcgagt atgatacaag atgactaagc gcaaacggca tgggagaaag aataaaaaaa   120

aaaggaggga accctccatc atcatgacgc actgacggga tttccaaagg aaggatgcat   180

tccgattgct accgtcgatt actaggggtt tgagacagca gcgctccagg acagctggca   240

ctcgaagaaa gccattagac tagcgggatg cacgcaaagg cggagttctg tataaggtta   300
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tataatagat cacttccaac tagaaacgcg aaacttgccc cgcttgaagc acgcactgaa   360

tgtagaggaa ggctaggctc tgaatgcccc cgggattagg aggaataatg caacactata   420

atgccaggaa aagaccgact aagctcggct agacaacccc agaccgagag acccggttac   480

ccaccggggg t   491

<210>   8967
<211>   575
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098e12d1

<400>   8967

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tggtgttgta ggcgtgtggg aggtgtgttg caaagtaacc cgcacctggt gccggttcgt   180

ggtggtcgtc agactgttac gaagtaaggt tggtctctga cagtagttaa tcagcactaa   240

ttggtaagcg gctggtaaca acggccgctg ctgcgcgtac gtggctggcc ggggctattg   300

ttggttattg gggtgctgct tactgtagtt aacggcaagc accggtgaag gttgaattta   360

ggtaacacct tttcgctgcg cgggggctgc caacgaaagc caagtaagct gtggccaaaa   420

aggcgttacc agaagttaag cggtactaag gtaggggcca cgataaaggt acagaaacgg   480

cctaggtaat ggttacagca aatgcagcgg gtgcaccagg tgggccagca ataatgccaa   540

catgccatgg cataacaagg acgcaggggt ggtgg   575

<210>   8968
<211>   369
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098f01d1

<400>   8968

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ataataacaa actttccctg gtatttccga gggttcctta ttgatcactc ttaaatcact   120

agtcaccgca tcagcatgat ttatccctcc aagggaacac tgtgaagaac aacggtctca   180

acggttagac ccggcccgaa tccgaatagc acccccccact ttaacccttc tccaggggta 240

ctcttcccctt cctccttaga cttcttcctc atttcatcca gaatgaacaa aacacacgcg 300

cttgacatgt ttccgtactc actcagcaca tgccgggtgg actggagttt ctccggcttg 360

agccggagc 369

<210>   8969
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098ᵢ02d1

<400>   8969

gagaaacatg agcagagatt acaatttaat atataaaata tacgttcgtg ttaaccagat 60

tataaactgg actgaacaag aggggagaga gagatcatca taatacatct aaaatatagt 120

ggtaattatt gcttcatatt aatctacaca tacatataac atatataaat atatgtaaat 180

tgttgttact tttgtatcat caggcagaaa tctaggaatt ggcagaccca cctcccttga 240

ttgaaagagg agaaccacag agagaggtgt tctcagtgag ttttggatta agaaacacca 300

caatcactgt tatgtcatca tggatgtgtc tcctcatccc ttgctcaatc ttttggaggt 360

cagaaagtct catttcacac ttcttagctg cttctctaag tgcagctttc acaagtcttc 420

tagcaattcc gttaggtgga ttgttgctga ctatgctaac aacctcttgg ttggaagatg 480

ctcccataag ccatcagaag c 501

<210>   8970
<211>   384
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098ᵢ03d1

<400>   8970

aaaaaaggta tccccttaaa aggggggacca aacttttattt ggggcataca attatctata 60

attcagtagt taaattcatc taccttcaaa ttaataggggg ccaagagaaa gagaaagacc 120

ttccagttga cgtgtaaata gagttccata atacaagaat tttatgatga aaattaaaaa 180

gccctcttga agacaaagta ctgggcgggt aaaatataca agcgggaaag gaagtaattt 240

ttttctccat cattttgccg aacagctccg ttctgtacag ttatctcttc aacagcaaaa 300

cttcttttc tcgaatttgc ttctttcctg actatcaatg gatgccagaa gttcttcttg 360

tctaatcaaa gcttcataca aagc   384

<210>   8971
<211>   212
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098f04d1

<400>   8971

aaaaaaaaaa aaaccttcct ttaaacccgg tgaaaaattt tcccttctcca aactttttttt 60

taaaaaaaaa aaccccaaa aaacccttt ttttggaaaa acccccttaa aaaaccttt 120

tttaaagggg ggtaaatttg ttaccccctt ttgccccta aaaaggggg gttttggccc 180

ttccccccgg ggcccccaaa ccccggggg gc   212

<210>   8972
<211>   398
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098f07d1

<400>   8972

cataacgaga ggacacatat ttgcattgtg tgtcttcctt gtgccttgtt taacaatttc 60

tagggaggaa tttgactaca agttcaatgc cagaacagaa gtgttctgtc ttattcccta 120

aggattatga aagcacacaa agacaaaaaa gattaaatta aggtacttaa tttcaatctg 180

gtgggtacat atataaatac atggagtggt ggtagcaact agcaagggca ttaagagact 240

taataggtaa aatttaaagt ttcaggggca ttttggtcct cctctttttg tcttccagtt 300

gttgtagcaa gggcaaactt gcttgttgcc aaaagttcca ggaggcacac acaagcactt 360

ggcacagcac ttttggcaga agaataggca cggtttct   398

<210>   8973
<211>   354
<212>   DNA
<213>   Glycine max

4057

<223>   Clone ID: jC-gmfl02220098f08d1

<400>   8973

ggagcacagg tgacattttg ttcatgcttt cgcatcatga taaaaacatc acaggggatg   60

gtgaacatat ttatttttat caaattaaga caccgccctt acctatcccc tcattacaaa   120

cattatcttc cccccaaaa acttgaagtt aaacgcaccc ccacaaaagt tttcatagat   180

gccatccatt tcaatataca ttatctaaac acaaatcagc ccatggcata cttctgggtc   240

cagctgcgtg cagtggcctc atacttggcc cggccagttt tgtacatgtg agcgatttcc   300

ggaacaagtg gatcatcaag atttggatca gccagcaatg agcagataga aagc   354

<210>   8974
<211>   540
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098f09d1

<400>   8974

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tacaaagggc ataataatcg atctcgaccc aactaagaac aaaaacggcg tataaaaaaa   120

gaattacaaa aatagaacag actttgttac ataacaccga gaatagttgt catacctccc   180

agactaaaaa caaaacagaa cagactggaa ggtatcctca aatccacatc catgcaattg   240

ccaacttcag cttccacagc tttgaatagt ttacgagatc ttccatgtta tacctatttg   300

ctcaatctca aatctgaaaa ctgtctttgt ctttgtccca gctgcaatta tatcctctcc   360

caaccagaaa aaaccatctc cctttaaaa acaatctaaa ataaagcact ccaaactgct   420

ccatttcctt caccacactt tgagtggaca tatttaatct tctccactga cttacagatt   480

ccactgcagc tcccatcaaa tgatgcaaac acatatgtac cggcctgcgc cttcactaca   540

<210>   8975
<211>   503
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098f10d1

<400>   8975

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gccgggttga cggtaagtca tacattaggg tcaccagaga ggaagggagc gatggaatat     120

ggaatatacg atatagctag agagacacta atataggta accaaatagg tgttaaatta      180

gatgcagtgt ttaaaagaaa tgccaacagc aggaatggaa acatatatag agagagagaa     240

cttaaaacta gagagagaga gaacataacg tcaaccaaga gctgtagaag gccggctgga     300

gctggtactt aaacacagcc gcctgctggt gggttagcac tggttgtagt ggctgatggg     360

ctggttgggg gtgtagcagc ggtagccaac ctaaatttat tccagtttat gctactgctg     420

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ctggtgtagc tgagagagta tat                                            503
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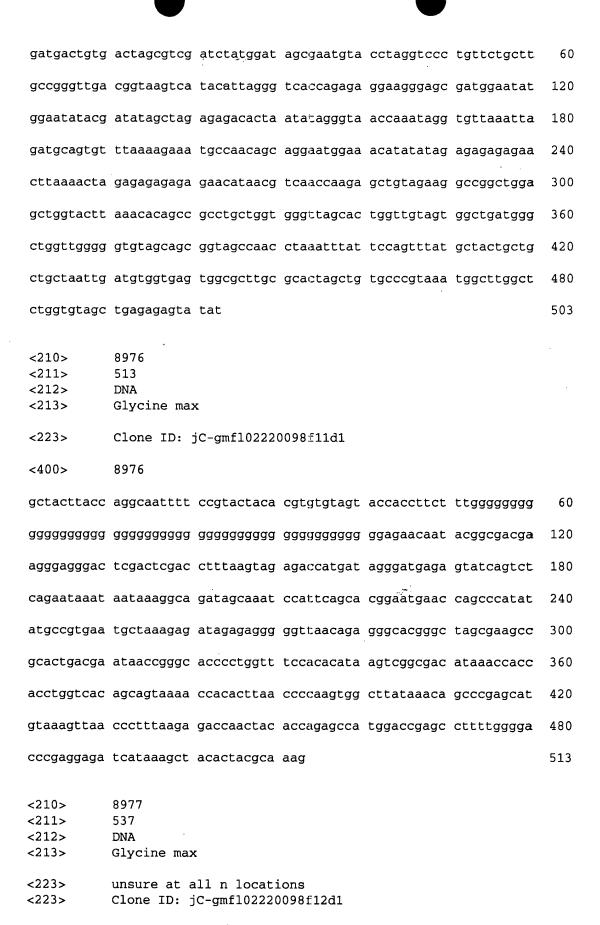<210>   8976
<211>   513
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220098f11d1

<400>   8976

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ggggggggg ggggggggg ggggggggg gggggggggg ggagaacaat acggcgacga     120

agggagggac tcgactcgac ctttaagtag agaccatgat agggatgaga gtatcagtct     180

cagaataaat aataaaggca gatagcaaat ccattcagca cggaatgaac cagcccatat     240

atgccgtgaa tgctaaagag atagagaggg ggttaacaga gggcacgggc tagcgaagcc     300

gcactgacga ataaccgggc acccctggtt tccacacata agtcggcgac ataaaccacc     360

acctggtcac agcagtaaaa ccacacttaa ccccaagtgg cttataaaca gcccgagcat     420

gtaaagttaa cccttaaga gaccaactac accagagcca tggaccgagc cttttgggga      480

cccgaggaga tcataaagct acactacgca aag                                 513
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<210>   8977
<211>   537
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220098f12d1

4059
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<400> 8977

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agtaatgtta aagcagcaaa aagaggcccg gcgggtggtg gcgccgccgc ctgatggggc   180

gccgcctact tatactgccg actggggatt aacatgggca aagaatagcc ccgccgcact   240

cgcttaaaag tgagcaaaag ccaaagtggt gtatttgtgt ttgacataca cttgtgcctg   300

tgcctgggtc ggttaaaaaa caagatggcg gtccaaaaag gcatagctac tgtaactgtc   360

gcttgccgaa tgtgctgcca atacgtatgc ttgaggaggg agtggtgtgc cccttgatgt   420

agcatcaaag acatggtcac gggggcccga atggcacgcc gcagttggag atgtgttata   480

tcaatcgagg tacttaaccc aaacccaata cacaataata cggttagtga gccggtc     537
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<210>   8978
<211>   508
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098g01d1

<400>   8978

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aatttactca tctcatactg ggagagggtg gacctgtaaa tgacagcatc cctagaaatt   120

cgctaaaaat cgcagaatag cagggctaga tttataatca atattgactg tctatataca   180

gtactgctaa ctacttgcat aaattctcaa tttgtatttt ttttttcctt ttgagaaatt   240

gaatcaaaaa gatttggaca gagaaaccac ttggcaatct tgtgctaggg cttttgctgg   300

gaagggtcat cttcccctga gcaacaaagt ttgcaaggat tggaggattt ctgggaacac   360

cagtgatctg gaacactcaa aaaatatgta gacataaact ttctgaacct cttttttgtat   420

tctttaggag agattacagt tggcaacaca ttttttggcac aacaagtgaa gacttcatcc   480

atgtctcaag atgtttgtcc caagtata                                       508
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<210>   8979
<211>   481
<212>   DNA
<213>   Glycine max
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<223>   Clone ID: jC-gmfl02220098g02d1

<400>   8979

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aacaaataag atgaatctaa agaataacta cacacacaca actaattaca taatgatgat   120

agccaacaca aacacacaca catatatctc tatcaggaga aaaaagcatc caattctcca   180

acgaatcaac atatttgaaa gattatcatc aaaacagctg caacaacttc aaaaggaaca   240

tgtcattgtt attcttgtgt ttcttcttgt catcacaaga atcaaacttg aaaaggccaa   300

ggccaatcct tcaagtcctc atcctgctgc accttcccac tcctcacagg cacaacagcc   360

ccactattcc cctcaacaca agcataatac ttcaagaaaa atgcaagtgt caaaaccacc   420

cactccaagc aaaagatcaa aatggtgagt ccaccagcca aattgagaat cacagcacca   480

t   481

<210>   8980
<211>   414
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098g03d1

<400>   8980

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cagaccaata agttgacatg cttcaaacaa atcaacttaa aggatcggtg gaaaaaacac   120

tgaacataac catatctcta cttttccctt taaagaccac atacttcctg agaacaccct   180

cccttttgaaa accagccttt tccagcacct tttgagaagc cacattttcc acatcaacta   240

aagcccgaag cctctccaag gggggaaact cgctgaatgc aactttaatc acttggttca   300

cagcatgggt tgcaatccct tttccccaat ttttggaggc ttaagcgtaa ccaagttcaa   360

caaatttgtg cctgtttcta cgctggcccc cacatgagaa aaaatcaata cccc   414

<210>   8981
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

<223>   Clone ID: jC-gmfl02220098g04d1

<400>   8981

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gagcttcaac tgcagcatca gcttcagcca actgtctttt cagttttttcc aaaacaggac   120

tttgccgagc tggatctata aagacaaccc tcaatattct ttccactgtc actagttcct   180

tttgttcatc aaactgcatg acagaaggcc aaagaccaaa tttaattatt tactttttatc   240

attcacgggt aaccttgaaa atattgccta aagcatgaat agatgaaaca agctattatc   300

aatataacaa gctgacgcta ccatgaaaat agcctatcta caaatatctg ttaataaatc   360

aatcctatcc agaagttgaa gttcagtttt tggcatatgt taatgttgta gggcctatag   420

ctaacccaaa caaactagta tcctacatat ggagtaatat tatagaatac caggagtnga   480

aaaccactag ctggctaaat catctaatca aa   512

<210>   8982
<211>   195
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098g05d1

<400>   8982

agacaagaat cacatgcttt catagataac aattagaaga tagatcgtgg cttaattaaa   60

atctcaagtg gagtagcttt agtcttgcct aatccaacgg tttcagtcat atcaataggt   120

tcatttgatg gatttaagaa tgaaaaagaa tgaaaaagac tggcaagaat caaatgaacc   180

atttgaaggc taaag   195

<210>   8983
<211>   257
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098g06d1

<400>   8983

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tggttttttg   60

tttttttttt tttttttttt tcctttttttt tttttttttt tttttttttt tttttttttcc   120

4062

aaggaaaccc caaaaaaaaa atttgcccctt ttggaaaaat tttttaaaaa aaccccccccc   180

cggggggaaaa aaaaataaaa acccccccccc ccaagaaaaa aaaaacccca aaaaaatccc   240

cccccccccc ccttggg   257

<210>   8984
<211>   337
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098g07d1

<400>   8984

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ggcggccgcc cttttttttt ttatattttt ctattttcaa tataaaatga actagattcc   120

tggggtagag tgatcctttc attccatgaa taccccacgc gtgtgtcaaa ttatatacct   180

tggggcaata aaggggaaag ctggcggacg atctaaatgg cttgtataat gtaactcccc   240

aactacacta catactctta gggtatcaaa caacaattcc cacctgctgc ctggctgttc   300

atgaatgtct ggtgaaacaa tgaccctccc tcacatt   337

<210>   8985
<211>   487
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098g08d1

<400>   8985

cagaatacac aattgcatac ctgcaatata tatagggggta caaatcaaat caggaggcag   60

gaatcctatc acagcaggat taaaaaacga aaaccacact aagattgttt tctactcgct   120

aattgctaat ataacgaagc acatgcgatt tagatgcact ttctataaat aatatcatac   180

tataacaatg gaaatacaaa cctacaacat tcggcaacag ttgactaggt tgttaaaaaa   240

gcacactatg taaccaaccc actattgttt tttttaaata gaaaatcaat cttatcggtt   300

gatatgtcat tcccaatgag acttctctga attatgttgt ctcaaaccca ccacctatct   360

gcatatgcag ccacccagga tgtgatgatc cctgagcata cccccttgct gcttgtgatc   420

caaataccat tccagcaatg tcaaatggct gagtaccaac atctttngaa ggaaacccat   480

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<210>       8986
<211>       221
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220098g09d1

<400>       8986

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tattctgact accgaccttc cggggtgggt gttttgtttt ttttatattt taaaacaccc   120

ccactataat aattagggag aatgggtatt ctttattcac actgtggcac tgtccacccc   180

ttttgggtt attatcaata atcatataat aacttctagc c                        221


<210>       8987
<211>       632
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220098g11d1

<400>       8987

gatcgaccgt gcacgagtat cgagcatatc ttgtaagnga actgtaccca ggtgcctgta    60

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ttacgctact tgatacaaat aggttacccg cgccgttacc ggttgtacta cagacaatta   180

caattgtacg ccggacgcct ggagccaaca aatgcaacca tggcagccag caggggtaac   240

ccggcaccct tacaagctac aagcacgata accaaattcg ccaatcaacc gatgggatta   300

gaataccaca aaacctgcag caacatatta gacacaatgg cagagtaacg ccacaaacgc   360

acacggggtg gtacaccctc aggtaccaat aacccacccc gtacagaagc catattagag   420

tccacaggta acacacatat cagctgcgga accacagaca caacaagggc aggcactgct   480

agtagcgcgg gagccatagc ctactgtggc gacacgtgta ccggaataat ggagtgatag   540

acacacgtag cgcctatagc taacggtggg gcgcacacaa ctatgcacta agggcacatc   600

tgacacacga gtaaacacgg tgacaacgcc at                                  632
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<210>   8988
<211>   291
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098h01d1

<400>   8988

agttaattaa ttgagaatga aaaccattct tcaaaaaaca agattatttt ccccattcct   60

gtttacagtg caaacatttt attaaaaaaa tgctcctagc ataataaatt cccattagct   120

ctaaaacctt ttttttttt tctcaacaac agagctggta attaagtaag gtaagaaaat   180

taatgtgatg gatggatagg aagctatgcg catgcagggg gcattagcaa gcctccaaag   240

agaggtcgag tattgacaca tcttgaggtg gttggggtga gcccaatctt g   291

<210>   8989
<211>   357
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098h04d1

<400>   8989

caaaaaaaaa aaaaaaaaat tgttgcttgc ttgcccccccc agtgttttttt ttcaacgcgg   60

ggggttaata ttagtaataa tagggccctt ttttttttttt attctccccc tttgttttttt   120

taacacaaaa atttacattt ggggatggta acaatgccc cccttgaggg ggaggcattt   180

gcccttaaac gggaacagtt tggttttttt ttcagggagg ggcttttcgc ccccgggaga   240

ctttttaaaa gcctcccccc ttgctttttt gtccaaaagg acaaagctaa acctttacca   300

agcttccacc aggttttggt tccccaccaa ctccaaagct tctttttttt ttttaaa   357

<210>   8990
<211>   441
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220098h05d1

<400>   8990

agtctcataa attgcataat ttgtaaaata ataattaatt ccatcacatg aacatatatt   60

4065

acgcgtacaa gaattgagga gtttgactaa gggcacacac ggaaagaagt agagaagata 120

cgttgttaca cgttttacta cagtgagagt gatggaagag gccaaagaga gactctcatg 180

ctaacataat tgaccaccta acatattatt gctacaaatt gaggcaaaca cgttacttaa 240

aagaaccvta aacaccaaac ttcacgtact gttcttgcgt taagatgagg ccccacttgg 300

caaagtaatt aagtaataat cgcactttta gcttaaatat tttggggcct catttttttt 360

ctttctcttt ggactcgatt cattattgct ttattctcac acactgctag ctatctcaat 420

cacaggcaca tgaccatttt t 441

<210>   8991
<211>   255
<212>   DNA
<213>   Glycine max

<223> ·   Clone ID: jC-gmfl02220098h06d1

<400>   8991

aaacccttag taaaggttat agattacatt tcaaccacaa acatgttctc ccttgggggt 60

caacaagaaa tcaaatcaca caacaatttc tttccagcat ttaataataa cgctaaaatc 120

actcactcat atacatatat attataagtt ataaatatac aaccacaaaa taaattcgag 180

tcactgaatg actttatcta cttcattaag cctcacatag aagatggaaa aggcccaaaa 240

catgaaaata gtctt 255

<210>   8992
<211>   403
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220098h07d1

<400>   8992

agaacatgtc tgttcctcgt atcncaataa aaattaaaag gaaaaactaa aaaaaggacg 60

acctttttttt tccttttttt tttaattttta caatttctga ataaatataa ttccaattat 120

aggggccaat ttatacttta tacacacaag ccacccattc ccatgttaaa ttgttacaca 180

agcatacaac aatgtcatga tttcctaagt ccacaaaatg aaagtttaaa gccaattacc 240

4066

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ttcaatatgc aatttagaat tttagcccaa aactttaact taattattgg ctttaccata   300

acttcttgga aaaaggataa cgtccctaac atttccaagg cccattgcaa aaagaccatc   360

attgcaaacc ttataatgaa cccaaagttc ttcactgttc ctt                     403


<210>      8993
<211>      548
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220098h08d1

<400>      8993

aaaatcaaat agttgagcat tgagtacaag attaggatgt atggcagatg aagcttgtca    60

acaatcgcct tcattagcgt aagcacccac cacctgctaa tgactgaggt acaatataga   120

caacagcaaa cctaaccatg ccgccaaatc atgaaggaga aaaagaaaaa gaaagccaac   180

ttttcaactg taatcaagaa cgaacgagag tcgggccaca gagctatatg aactagcaac   240

catagacaat tagtggtttc tacatactac agatactttc gtgcaagggc tcggacttta   300

gtatcaaaat gtgatgacgt gatccgggag ccaggcaagc acaggggatt aaggagagtc   360

tctatgtaaa gctcatgcac ctctnggaag aagctcttaa taccatcatc attacgggag   420

tcatgtagca acataagtcg ggtatgacca gctgtaacat acactgacac ccatgttcat   480

taaacctgtc tactgatttc aagtacattg cactagtagt ccatgcaagg tcctgaacat   540

atcaagag                                                           548


<210>      8994
<211>      252
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220098h09d1

<400>      8994

gtagcattga ctataggtaa tagccatcca tcaaggttga tatcaatcat cctatgaaga    60

gacagagaaa ttaaacaagg aggcaaccat atgcctaatg aggaattaaa agtatagaat   120

ttcaagccag gaataataaa atgagaaaga aacagaaagc agctgtaaca ttttaaagac   180

caacttagaa ctacccttat tgatcctaac catagctttc acatgacctc actgatagat   240
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tcataatact ag   252

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<210>      8995
<211>      419
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220098h10d1

<400>      8995

gcatcgcagg tccgctctat tctgcacgta caagtccgcc ctgtcacttc agtcctgtca    60

cggggaagag acagagatgc tataacacca caaatggcca ccaaaggcca aaaaagtaga   120

ttgaagtacc ataataagcg acttgaaaga ttgagaggag cgatgaacaa gaataccaga   180

gagagatact aagaaacaaa gaggtggata gaagccggac ttgagagtaa gtcgccccgc   240

aattgccgcg gcaatttagc acaaagaaaa gttgagacaa atacggtgtt gtataaacac   300

cacgggcggt aagtcagttt gcaaaggcat acaccaaacc gtgcagcacg cgcaagccta   360

tgcctactca cgtgtagcca ccgcgtttga ccacaccctg cagggctccg gtgcaattg    419


<210>      8996
<211>      497
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220098h11d1

<400>      8996

gtgactcccc gaggagtttg ccgtgctaca tgtgtgtagt acctccttct ggggggggg     60

gggggggggg gggggggggg ggggggaac aatataatgg agggcagtgt ggaaaggagg   120

gcaactagag gaggatggct aaaagggtta actagataga acaaaaaata aaataagaag   180

gtagtaatgg ggtggggtgg ggaaggggtt acgcacaatg tcaaagttca atttataatg   240

agtgcggacc ttaagccgta ctacaacaat tagggtaatg tgcaagtgga acggttggtg   300

gcgattttta tggagggaag tcgggtgggc tgccagggat tgtgggaggt taagtacgct   360

caacgccaag ttagaagaaa agaacccgtg ctaataggcg gtttttcagt agcttacatt   420

agaggtttgc catattgacc ttcaatcgca actttaaaat atacgttaat ccaaggttaa   480

gtttcggaga atacttt                                                 497
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<210> 8997
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220098h12d1

<400> 8997

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ctgacaggac tacgtgatct atggctagca atgtgccaga gtcctgtcac ttgtcgggtt    60

ttttgcgggg tgcaggaatg tgggatatca gtggagtgat caagaagaaa aaaggaaggt   120

tgtaaggcag gtgggcgcct ccgcggtcag tccgattgct agtgtggtgg ggttaccggg   180

ccacaagcac ggtgcgctaa ccattacggc gcgctttggt gcgttcgctt aaataacgac   240

ccggtgctac taggttaagc aggcccctac gcaaaagcaa tcggacatct agttcaacgc   300

aaggggcccc gtgtaagcct cttaacctga aattttccggg gtgggtggct tagagaaata   360

tctcaaacgc taacatgcgc taggcgatgg ggaatgtatt tgttaagcat acgccaacga   420

ttctgcataa gggtaagcaa aaacagcaac aggagcggag ggtgacgcga aggcaactgc   480

ggcnacgcaa cacgccacta cagccgggta gaagtaaaag c                        521
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<210> 8998
<211> 195
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099a01a1

<400> 8998

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gatgactagg actagcgtga tctatcgcta gtaatgtgcc agagtcctgt cacactgtgc    60

tgcggtttca gatgggccag aggcttggct agtttggtcg taggagcccc gtgtgtgcgt   120

ggctactccg acgcagtaaa tgtaagggcc ggcacattgg gtgaaaagca ctctggcggt   180

ggggctaggg tctat                                                     195
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<210> 8999
<211> 566
<212> DNA
<213> Glycine max
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<223>   Clone ID: jC-gmfl02220099a01d1

<400>   8999

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caaatagaaa attgccagtg agtctgacaa ggaaacagca gcgcagcgga gtgagcaatg     60

ccggagcttc cagaggtaga ggcggcgagg agggccgttg agtataactg cgtcggaaag    120

aggataacaa agtgcgttgt cgccgatgat tctaaggtga tccatggtgt ctctccctcc    180

gacttccaag cttccgtcct cggcaagctc atcgtcgctg ctcaccgtaa gggaaagaac    240

atgtggcttc aacttgattc tcctcctttt ccttccttcc aattcggtat ggctggtgct    300

atatacatta aaggagctgc agtaacaaac tataaaggt  ctgctgtaaa agacgaggat    360

gagtggccct caaaatattc aaaaatttttc attgagttag atgatggttt ggagttgtct   420

ttcactgaca aaaggcgatt tgctaaagtt cgtctgctca agatccgac  atcagtgcct    480

tccatatccg agcttggtcc tgatgcactt ttcgaaccta tgacacttga gaagtttacg    540

gagtctttgc acaagaagaa aactga                                        566
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<210>   9000
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099a03a1

<400>   9000

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ctactactcg ttgtaccaga gtcctgttca tggtgtgggg tggccagcgg cggtgtgtaa     60

tcatgttgtt gctcaagcac gaggaggtaa gaggggccgg cccggcaagt ttccccggca    120

actcggctac atagtatcct gaggtgaaca ctcgtgtctg tttgtaggta gcgttcagtg    180

cgatcatcca ccatcccgac ggctcgaatg cttcggaatt tggtcttcta tccgcccgcg    240

ccactgggct tggtgcaacc tccgactttg gtacatggct gtggttgtct gccgccgccg    300

gttggtgacg ggtggtatgt ggggtaggat ggggacttgc tagacgggga aagatcaaat    360

aggaaatact catgggcgca tgacggaaca gtattcgcgt ggtggtggtg gtggtggtgg    420

tggtggtgat gatgatgatg atgatggggg tgttatagaa gcagctgtac aagtaacaac    480

cggtttatgc gtcgggttat                                               500
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<210>   9001

<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099a03d1

<400>   9001

aacacggatg acaaccattc cagaaagcaa caaaaatgga aattacattt tttttttcag   60

acacatgggg ggatgtgtcc aacaagagaa caacaaatgc aacaaaaatc aaaaacagag   120

aaaaacaact tgtagcttta tttacacaca gggagaccaa agaaaaagcg gttcagaaaa   180

ctccaccagc catggaagga atgtcatcaa agcaccaaag gttcatgagg tttccaccat   240

cctgagttgt gtcaccagat agcaaggatt ccaatgaagt atcgccccag ctcccttcaa   300

gataaggcat ctgaaagaac ttcaactcag attcaatatc cacaagctcc tcagagagtg   360

tctttgcaga atcatcttca atagatacca cattctgaga gttaggctgc tgctggttgg   420

cattttgcac aaaatgagat tcacaatcca aaggagcaga aagcatggat gagatctcag   480

gagcataatc aanatgaata ctcccttgat ctgaactgaa gtaaagggtt gcatcatc   538

<210>   9002
<211>   157
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099a04d1

<400>   9002

tcctatccta ctccttccac tcttatatac tgattcctta ctatagtatt aaatcctgac   60

ttattctcta taacttcatt tcttcataca ctaaacctta ttctaagata tcttacttct   120

ataatatctc agcctgttgt gtgagacggt ccggaat   157

<210>   9003
<211>   589
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099a06a1

<400>   9003

gatcacagtg actagcgtcg atctatggcg tggacaatgt acccaggtac ctgtacaccc   60

ggtgtcaaat cgcgcaaatg tagaaaccct aactggcaag tgtgtcaatc ggttaagcta   120

cttaatacaa ataggttacc cgcgccgtta ccggttgtac tacagacaat tacaattgta   180

cgccggacgc ctggacccaa caaatgcaac catggcagcc agcaggggta acccggcacc   240

cttacaagct acaagcacga taaccaaatt cgccaatcaa ccgatggtat tagaataccca   300

caaaacctgc agcaacatat tagacacaat ggcagagtaa cgccacaaac gcacacgggg   360

tggtacaccc tcaggtacca ataacccacc ccgtacagaa gccatattag agtccacagg   420

taacacacat atcagctgcg gaaccacaga cacaacaagg gcaggcactg ctagtancgc   480

gggggccata gcctactgtg gcgacacgtg taaccgtaat aatggaataa tagacacacg   540

tagcgcctat agctaacggt ggggcgcaca aacactatgc actaatggt   589

<210>   9004
<211>   542
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220099a06d1

<400>   9004

ggcactgatt cttcattgaa tcatggaatg acacccaaca taggcgactc gggtttcctg   60

cattgtccgg aagatgcagg acaaggaaac ccactgaaca aaacctttgt gaaggtttat   120

aagtcagggt cctttggaag gtcattggat atcaccaaat tcagcagcta ccatgagctg   180

cgtggtgaac tcgctcgaat gtttggcctt gaaggcgagt tggaggaccc tgtgagatca   240

ggctggcagc ttgtatttgt agaccgagag aatgatgttc ttctccttgg tgatggcccc   300

tggccggaat tcgtaaatag tgtatggtgc ataaagatac tttctcctag gaagtgcagc   360

aaatgggcaa caatggcctt gagctgttga actcggttcc aaatcaaagg ctctctaatg   420

gcatctgtga tgactatgtg agccgtcaag acccaagaaa tttaagcact gggataacaa   480

ctggggngtc tttagactac taatagtctg tacttcttct atcatgttta atattattac   540

cc   542

<210>   9005
<211>   501

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099a07a1

<400>   9005

agtacactgt gactactgtc gatctatgga tagccaatgt acccaagtac ctgtacactg   60

ggtaggatta attgtataat ataattttgg gtgtggtgtg gttaaggata aagtttggtg   120

gtgtgtgtgt gtgtgggagg tgtagggtat aatgtagtaa gttttgtgtg tgtgtgttta   180

aatctaaaat tgaactagcc tgtacaacct ttacaaaaat catatgcacg ggaaccgttt   240

tcaatttagt agtaattttg ctattattat tattattatt attattgtca gggttcaatt   300

ggtgacaggt ggtcagctaa ttatttttct tatggtagtc tctgttttaa actcagtttg   360

tttgtgtcat caccaagtgt acatccatta aatcatcgtg gtgcacttta aatctcttcg   420

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<223>   unsure at all n locations
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ttttcttagt ggaaggaaat tgagggtgaa aaaggagaga gcagcaattg gaggacgatc   180

gatgggcact acagtgtgcg cagttgctga gcctgacaga cctctatggt tcccaggcag   240

cacccctcct ccatggcttg atggcactct acctggagac ttcggctttg accctcttgg   300

tcttggatct gacccggaga gtctgagatg gaatgttcag gcagagctag tgcactgcag   360

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<223>   Clone ID: jC-gmfl02220099a08a1

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cggctgtggc accacagtaa atgtaacggg agtcagattg tggtaaacgg gccctagccg   180

tctggttaca ttatatacca caactacaac ggtgggccat cttgtaaact agaaggagcg   240

gaaggccagc caaagctgcc aaggtgaggg ccggcttagt atggagaaat gggcgacgcc   300

gggtgcaggg gcagaggaag ccaggtggtc ccgacgcacg gggggggtgg ttgaaccgcc   360

cttaattggg gcgggtaccc aacatgcagt cggcagggta aaggggcggg agcacgggag   420

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aaggttccat tc   492

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<212>   DNA
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<223>   Clone ID: jC-gmfl02220099a09a1

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taagtgtctg tctgggctgc gacaccaata aaataaaaca cacaaggtac ggtgccacgg   180

gcgcacccgc aggacgctaa actactaacg ccggctgcca cgcaaggatg atagaatagg   240

ccaactaaaa cagccgcaca ggaaaaagca cgagaaactc aaccgggccc acacccaagt   300

ttaacacggc tgacaaggta acttaatagg accgctacca cctagtagtc agcgcttgcc   360

cctgcttaat actagtcaca gtcattagtg tctgtctggg ctgcgacacc aataaaataa   420

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aacacacaag gtccggtgcc acggccgcaa ccgcaggacg ctaaacaaat aacgccggct   480

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actcaacagg cccgcaaccc                                               560


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<223>      Clone ID: jC-gmfl02220099a10a1

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agaagagaat acgggcgtcg tacgatcacg gaggcgagac gaaggaagaa ctgaccggga   180

aacggcgggt tgggccgcta gccagggagt aggaagcaca gtaagcgcaa cgggcgggaa   240

aaaaaaaaaa aaaaccctcc ttcttcatga cgcactgtcg tcatttccca aggaaggttc   300

cattccgatt gctacctcga ttactgggtt tgagacgcac gtcgaggaca ctggcctcga   360

agtagccgta gactgcgggt tgcgcgcaaa ggcggagttc tgtataaggt tatataatag   420

atcacttcca actagaaacg cgaaacttgc cccgcttgaa gcacgcactg aatgtatagg   480

aaggctcggc tct                                                     493


<210>      9010
<211>      162
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099a10d1

<400>      9010

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tcctaacatt aatattttc tgctatatta atatagtata ctataaatat tattctctac   120

aatataacaa attagtatcg actgtatcag acggtacgga aa                     162


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<213>   Glycine max

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aagtcagggt cctttggaag gtcattggat atcaccaaat tcagcagcta ccatgagctg   180

cgtggtgaac tcgctcgaat gtttggcctt gaaggcgagt tggaggaccc tgtgagatca   240

ggctggcagc ttgtatttgt agaccgagag aatgatgttc ttctccttgg tgatggcccc   300

tggccggaat tcgtaaatag tgtatggtgc ataaagatac tttctcctca ggaagtgcag   360

caaatgggca acaatggcct tgagctgttg aactcggttc caaatcaaag gctctctaat   420

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<210>   9012
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<223>   Clone ID: jC-gmf102220099a11d1

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cagagcctag attacatgtg accagtattt tgcacctata cattgtactg tcgacaacta   180

atacacaaac cctgatctaa gattgctgga ccaatgattg tagctgatgc tgaaatcctt   240

ctctaagtgc cgaagccacg tccacaataa aaaagatgca tcttccatga ttttattagc   300

atcaaatgat tagaccaatt ctctaagcta ctgcaatact aagcatgacc ttccaacata   360

attagaccaa tgggagttaa tttagc   386

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<211>   585
<212>   DNA
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<223>   Clone ID: jC-gmf102220099a12a1

4076

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ttttcttagt ggaaggaaat tgagggtgaa aaaggagaga gcagcaattg gaggacgatc   180

gatgggcact acagtgtgcg cagttgctga gcctgacaga cctctatggt tcccaggcag   240

cacccctcct ccatggcttg atggcactct acctggagac ttcggctttg accctcttgg   300

tcttggatct gacccggaga gtctgagatg gaatgttcag gcagagctag tgcactgcag   360

atgggcaatg ttgggtgctg ctggcatttt cattccagaa ttcctaacaa agattggtgt   420

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aatcaagcca ggctgtgtca acactgaccc catcttttcc acaac   585

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<212>   DNA
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accttgaaaa gcagcaaatg gctcgtataa cttcatattc aaggctcgaa gaccatgctc   180

tctgcttctc gcttcacgga ttcaaagagc acagatgata aataacgctc tccaaagctt   240

gggaagaccg caataatgag ttttccagca ttttctggcc tctttgctat cttaattgca   300

gcagctgcag ctgcaccaga tgatattccc accagcaaac cttctttcaa agcaagaagt   360

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tgatc   545

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<223>      Clone ID: jC-gmfl02220099b01a1

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agtgtaattc tagtcgccag cctgcgcggc ttaaacggct gctcaactga caaagcagcc     180

aattggctgt tacgcgtaaa cataccagac ccgagactag caggcgacag ctgcaccaca     240

aaccatgtag tatattcccg caaacgcgtt gtaggcactt gatgacgcca aatatgccta     300

gaccgggcct aggtagccta ctgctgaacc cggagaaatg gaggagaatt agcttggtgg     360

tcagcacgtg tcaaacaaca attaggtggt cactggggcc actgcacgga cgttgtatgc     420

agtttcttaa aacgagcaaa ccactgcggt acaagctaca acacaggtcc cagaacatgt     480

taaaggtgga gaggtggtac taagggcaa                                       509


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cgacgccttc atccgcggcc tcttcaacga gctcgacacc gtccgctcca aggcccacgc     180

cgccgacatc aacgccgagc agaactgcct tctcatcgag cagaagtatc tctccctcac     240

cgccgagttc tccaaactcg agtcgaacat cgccgaactt caatcctctc tcgatcagcg     300

cctccgcgaa atcgacgagg tgcaatcgca gaaccaccga atcaaattgg aagcggttga     360

gaaagatagg gagatagagc ggttgaggac ggaggtggcg gagttgcaca agtcgaagag     420

gcagttgctt gagttgaacg agcagaagga tttggagcta agtgagaaga atgcaaccat     480

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<212> DNA
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<223> Clone ID: jC-gmfl02220099b02a1

<400> 9017

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caaagaagag tctaagtctg caataagcgg agggaataaa accagtcatt atagagaaaa   180

ataatttaat gttaagtagt agtattatcg ttactaaaag ataggtaaaa ctgagtgaaa   240

aagggcacca atttatacgc ctctaggaca aattagcatt agacaaggga gcacacaaag   300

aggagcccta ttcgcttgtg ttaataagtt ttaaaatcgg ctggatctgg tactaaattt   360

aactgtacaa actggggccg cacttgtaat cgaagtactc aagaagctag tggtagatca   420

gctagagggc gtaatagcat cctgcgatat atccgtgcat gaatagcttg tgcagtaacc   480

gatgcaaaac tagcggattt agctataact gcggcagatg caactgcagc taacgccgca   540

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ggggcaaagg atggctagac agacagaagt agcctgagca gcaaatcgct gctggttgtg   180

ctctggtctg tgtggaggct tgtagttgtt attggtatta caaattggta gcttgtaccg   240

caaaacaaca acaggccccc cgcggtgata aacccaagca agagctgaaa ggcaagttaa   300

aggggcggcc agcgcggcaa ccgctaggcc caagatcgca cgcctgccaa gtatacccgt   360
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agtacgatag gcgtatgcag cataaacaac cattgcaggt gcaatggcac aaatataggt   420

tacagctata gcgtagtaga gtgatgttag gttattttct tgagcgtatt ctacaaacaa   480

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<213>   Glycine max

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ccgcccccg acccccccc ccccaaaacc ccaaaaggaa atgctcccgc caacaaaaca   180

ccgcggcgaa agagggggcc tccggccccg caggacaaaa agcctccaaa agagggcccc   240

ccccccccaa aacacctagg gggaggggag gcaccccggg gaaaaaaaac accccccggg   300

gggaaaaaac ccacaaaggg ggccccaaaa aaaccccac aaaaagggcc cccgggaccc   360

cccgggggg ggcaccgggg gcccccccaa aaacggggggg gggccagaag agaccccggg   420

aaacaccggc ccccactggg gggcggggggc ccccccgaaa aaaaacgcc ccccgggggg   480

gccctcaacc ccggggcccc cacccccccc gcgagaaagg ggcggccccc cccccccggg   540

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4080

agagccaaaa aagtagatag aagtaccaaa ataggtgact tgaaggattg agaggagcga   180

taaagaagaa aaccacagag ggatactaag aaaaaaagag gtggatagta gcgtacttga   240

gagtaagtcg ccccgcaatt gccgcggcaa tttagcacaa agaaaaattg acacaaatac   300

gatttgtata aacaccacgg gcgataaggc agtttgcaaa ggcatacacc aaacctgcag   360

caacgcaagc ctatgcctac tcacgggccg ccgcccgcgt ttaaccacac ctgcagggct   420

ccggtgcaat tgaaccttaa gcaaaccata agaacaaccc aaagtccgct aacaaagccg   480

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gtaaagttc   549

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acttgaaaag cagcaaatgg ctcgtataac ttcatattca aggctcgaag accatgctct   180

ctgcttctcg cttcacggat tcaaagagca cagatgataa ataacgctct ccaaagcttg   240

ggaagaccgc aataatgagt tttccagcat tttctggcct ctttgctatc ttaattgcag   300

cagctgcagc tgcaccagat gatattccca ccagcaaacc ttctttcaaa gcaagaagtt   360

tagcagtttc aatggcttct tcacttgaaa tttgaacaac ttcatcaagt aaatcgacat   420

ccagaacacc agggatgaag ccagcaccaa ttccttggat cttatgaggg ccaggttntc   480

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gatctt   546

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ccaacaaatg caagcatggc agccagcagg tgcaacccgg cacccttaca ggctacaagc   240

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atattagaca caatggcaga gtagcgccac aaacgcacac ggggtggtac accctcaggt   360

agcaataacc caccccgtac agaagccata ttagagagca caggtaacac acatatcagc   420

tgcggcacca cagacacaac aacggcaggc actgctagta acgcggtggc catagcctac   480

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ngtggggcgc ac   552

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4082

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gagtggccct caaaatattc aaaaattttc attgagttag atgatggttt ggagttgtct    420

ttcactgaca aaaggcgatt tgctaaagtt cgtctgctca agatccgac atcagtgcct     480

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atatatatat actaaatggg tgagtgtagt aagctagcta ggggataacc ataatatgag    180

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4083

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gtggcgtccc tccacggctg gatcgacgtc gccacgtgcc tcatcgagtt cggcgccgac   240

gtcaacgcgc aagatcgctg gaaaaacacc cctctggcgg atgcggaagg agctaagaag   300

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aaagagacaa agcctcgtcg ccgctccgct gtccactggt tacaggttcc tcagccaaca   120

tactctatgc tctaattcgc tggtaggcct tcttccacga cccgcgggcg tccgccttcc   180

tattgttggt gcctctgttg tggtcgtatt caactctgtg ggcttaggta tagctggcac   240

tagggtggtt cagatgtcga ggaaccaaac gcggtaaatg caaccgctat tgctcctggg   300

cccattagag gtgtaactaa gtaaagttaa taattggagg gggcgcgtgc cgcggtggcc   360

ttggcggttt cacatacccca acggtcgagt gcagcagcgg caacattaaa tgcaatactg   420

4084

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cataataagg agcggcctgc 500

<210>   9028
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099b09a1

<400>   9028

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ccaaccggca accgccgcaa caaaatatta ttcgtatttg aattggtcgg aaggagatat   120

tattattatt attgggccgg gcgacacagt caaagaagta ataataacca gggaaaaaat   180

tagtcctaat tcgcagggca cggagaatag taagcagggg taatgcgttg taattataag   240

gcaaagtata gtccaggcta gggcggtcga agggagtatc agaggaagta atttagttaa   300

attcggagct aatgcgaatt cagtaataac cgaacacacc cccaaagcac ccgagggaaa   360

acacttacgc cacttagtaa ccataccaat actagagccc ggctcaaagg tgtattagac   420

ccgctaggtt ataatttgca gcgacaaatt cgcagaagta aacctatagc ttatcatcag   480

tactataggc aggtaaacaa tcgctacaca cg   512

<210>   9029
<211>   545
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099b10a1

<400>   9029

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cggggtgggg gggcagggtg tgggcgacaa gtcaagtcac ggaagggggc agtcgcgcac   180

gcgttcagtg gcaaagttat aataataagc cgcacaccag gctgtaataa ctgtcgtgtg   240

tctgtttgtg tccgtcttcc aaaagcctac tataagtaat gttcttcttg taatagttat   300

cacgattacc cgctgcaagg cagcactaaa tatccacgta atcggttcac acctcgcctg   360

cgggttgtgc ggcaacacct tacaaaccgt agtaaccatt ggggtttgaa gcaaaagcac   420

ggccgccgga acacgtaaag gggacttcct ccatcaacgg gcccaatgng taaaactcct   480

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tggcc   545

<210>   9030
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099b11a1

<400>   9030

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aggataacaa agtgcgttgt cgccgatgat tctaaggtga tccatggtgt ctctccctcc   180

gacttccaag cttccgtcct cggcaagctc atcgtcgctg ctcaccgtaa gggaaagaac   240

atgtggcttc aacttgattc tcctcctttt ccttccttcc aattcggtat ggctggtgct   300

atatacatta aaggagctgc agtaacaaac tataaaaggt ctgctgtaaa agacgaggat   360

gagtggccct caaaatattc aaaaatnttt attgagttag atgatggttt ggagttgtct   420

ttcactgaca aa   432

<210>   9031
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099b12a1

<400>   9031

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cgcacgtcgc tgatactgtg gcacgcgcac caaaacgacg ccggatcggt gcgcaagctc   120

ctccaggagg atccctcgct cgtcaaggcc aggyactacg acaaccgaac gccgctccat   180

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gtggcgtccc tccacggctg gatcgacgtc gccacgtgcc tcatcgagtt cggcgccgac  240

gtcaacgcgc aagatcgctg gaaaaacacc cctctggcgg atgcggaagg agctaagaag  300

agtaatgtga tcgagctctt gcaatcgcat ggaggattgt cttttgggca aaatggaagc  360

catttcgagc cgaagccggt agcgccgccg ttgccgaaca agtgtgaatg gaangannnn  420

anccttccna nctcgacttc tccaactcgg tgcgaatcgg atagggttct tttggtgaga  480

ttttaaaagc ccaatggcgt ggaacaccag ttgctggtaa acgta             525
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<210>    9032
<211>    521
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220099b12d1

<400>    9032

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gaaattgttc tttgtcggga ggaaagctac cagattgacc aagaaaaatc attacaatga  120

gtatattcac tttgaacaaa aaattctatc taataaccgt aaaaaaaaaa aacaactacc  180

ctgactcgtt acagaccaac ttcgattggt agtattcgta tattataagg cctaaaatga  240

ggcattgctg ggccattgca ttcttcaaac aaacaatcaa acattcatta aagccttctc  300

atgttgcagt tctctgaata ctctataaac tcaacaagga caccgatagg tcaaaagttc  360

tagctggaaa gatcatattt gtcgactgaa gtacatatcc ataaagtttc taaaaggatt  420

gaaacccctt aaaatcaaaa ttggagaaag dacaaatccc atctcaattg ggtacacgaa  480

aaaagtggtc ctctccaaaa aagggagaac atcataacct a                521
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<210>    9033
<211>    462
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220099c01a1

<400>    9033

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ccacacacac acccacaaac acaaccacag tctatggaat atagtatata ctaacacaaa  120
```

cacgaagaca agtcgccggt cgggctacaa caacaccgga acacaaccac gcattcaact   180

caacagcgga ttaatactgg ttaaaccatc ggtggtggtg gttgttgttg ttgttgtggt   240

tgtgtcattg aataagttta gctgctggtt tgattgttct acaagtagta acgcctaata   300

aagccagagg caagagatgg gggcctaaag ctggtagtga gcgatagtat tcaaacggcg   360

tgagtactag atgaaagagt ataaataaat taacaagtaa gccctatcgc agcatttgct   420

agggcggcgc agtgctgcgt gttggggcct acggctaatg gg   462

<210>   9034
<211>   553
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099c01d1

<400>   9034

ttcagaactt atctgtggca gtgtctgttc tgcagcagtg caaaaatctc accacccttg   60

tacttactaa gaatttccgt ggtgaggtaa tttcagaaag tgtgacagta gaatttgaga   120

gccttatgat tttagcactt gggaattgtg gtcttaaagg ccatattcct tcttggttat   180

ccaattgcag gaagttggca gttcttgact tgtcttggaa ccatttgaat ggtagtgttc   240

cttcttggat tggtcagatg gacagcttgt tctatttgga tttctcaaat aattctctca   300

caggagaaat accaaaaggt ctggcagagt tgaagggcct catgtgcgct aactgtaata   360

gagaaaacct tgctgctttt gcattcattc ctctctttgt taagagaaac acaagtgtaa   420

gtggactgca atataaccag gcatcaagtt tccctccttc aattctcttg agcaataaca   480

tattgagtgg gaatatatgg ccttgaattg gtcaattgaa agcactgcat gtcttggatt   540

taagcagaaa caa   553

<210>   9035
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099c02a1

<400>   9035

gatgaccaga ccgaggagag ttatccgtgc tatcactgtt gtactagctc ctgcttgggg   60

4088

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ggtagggggg agagaactag agagcagcag agattagaca agagattcag gcgcgagata  120

aacctagtga ctacacagac aaacggaggc aaccctaggt tgatgaactt acgctttggc  180

aggttagaga gtagataggt gaggacgatt aagatccaga ggagtaataa agaggtgacg  240

tgaacgaccg atgctagggc aaaggcgtaa gcgaggcagt gggtagcagt aatggaaagg  300

aggtgcacta gatgagacca tagaaaacca agctagttgt gcaaggagtg tacagcgtgc  360

ttaagctcag gcaagtagat ggcggaatga aggcaacgcg taagtagcca ggagtgggat  420

gaatacaact tgcgcaagtg tgcgtacagc tgatatcgtt acgtggtagc acgcctagtg  480

cagcaagcgc tgtgtttgta gagcgaccta taaagcagtg tcccatagtg aggctgtg    538
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<210>   9036
<211>   337
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099c02d1

<400>   9036

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aaaaaaaaag ggggcccggg ccccctttaa aaggggaaaa aaaaaaaccc ttttgttttt   60

ttggtttggg gggggggggа aaaaaaaacc cccccccggg gttttttttcc cccagggggg  120

cccccccccc ctcaaaaaaa agggggggggg cccccccccc ttggttttga aaaacccccgg  180

gtttcccccc caaaaatggg tccccccccaa aaaaagaaaa aaggcccccc ttttgtccgt  240

cccccccccct ttttttggggg ggggcccccag ggcccccctgg tttttgggggg ggtttaaacc  300

cccccccccct aacaaaaaag ccgggggctc cccaagg                            337
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<210>   9037
<211>   187
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099c03d1

<400>   9037

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ttattcctca tacgaagctg ttgacgaatt ggtcatctat gatctcactt agcataatac  120
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tattcatctt ctactngtaa catatactta taccctagcc ccggtcagtt ggngaccggg   180

ccggaat   187

<210>   9038
<211>   579
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099c04a1

<400>   9038

gtcacatgac tacttgatct gtggctacca atgtacccag gtacctgtac acccttccag   60

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catcaggtgc agagtcatca tcatcatcat cagtattaac gtaactttgg gctgggtctt   180

cttgtggtgt cgtgcgtgat cctactcaaa gtgcgcctag gttaaccgtc cctgcacaga   240

gtgctaaaga caaacaccaa caagtacgag accccaagtt cgtaatcgtt tggcccgcaa   300

caagcccgta tctgcgacag gtccccagtt aacaaacccc cggtcgcgtg cctggccaat   360

tggtaatatg ctgcaacaac tgctaacact ggagcagctg caactatcca ccaggtcgcc   420

taacaaactt aaccgcaagg ggttgcacct attaccgatg gtggtgcgaa aatcggttaa   480

ccgaaagtta taccaaaagt ggaacatgcg gtactttaag tgcccgtant acggtacgct   540

gcctaataag tatagccagt gccgccaata caaattttg   579

<210>   9039
<211>   573
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099c04d1

<400>   9039

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gaggaaagct accagattga ccaagaaaaa tcattacaat gagtatattc atttgaacaa   120

atattctatc taataactgt aaaaaaaaaa aacaactacc ctgactcgct acagtccaac   180

ttcgattggt agtagtagta tattagaagg cctaaaatga ggcattgctg ggccattgca   240

ttcttcaaac aaacaatcaa acattcatta aagccttctc atgttgcagt tctctgaata   300

4090

ctctataaac tcaacaagga caccgatagg tcaaaagttc tagctggaat gatcatattt   360

gtcgactgaa gtacatattc ataaagtatc tagaaggatt gaaaccactt aaaatcaaaa   420

ttggagaaag gacaattacg attccaattg ggtacaggaa aaaggtggtc ctctccaaaa   480

aaggcagaac atcataaacc taagaaatta gataatgata gtatgaagcg ccaaccatga   540

acagcagatt tgacaagcat actggaatga aac   573

<210>   9040
<211>   565
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099c05a1

<400>   9040

gataacagtg actactgtcg atctatcgct accaatgtac cagagtcctg tcaccgtagg   60

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acctagtccc aagtgtttga tccccaccaa ccacgatacc taaaccactt acctgcctgt   180

ggttacaatt aattagcaac aaagtagtga ttgtggtgcc cgtattaatt tacctgcccg   240

tagtgattta caaaattaag ggacaacccg tagtaattta caggcttgta agtaaattgc   300

acttagttat gtaccaagtg tttaaattcc taattcttaa ataaatagtc cttcatgagc   360

tggccttaag gcaaatttgg tacctttggt aacatagccc gtgcattaaa gggttaaaaa   420

gaagtaaaaa agtggcccta cataggcttg tacaagtgca gcagcaagtg caagtaaagg   480

gataaataag cagttaaaag ctcgtaagca ttaaaatact tattaagatg aaaccaaaat   540

gattgggact taaactgtaa atatt   565

<210>   9041
<211>   390
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099c05d1

<400>   9041

gctatggcga tttaattatt agtattattc ttattgttat ctccatttga ctcactcgct   60

4091

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ctctcttgtt tgtttgcgta gaaaaataaa atcaggtact gcagggttgt gaaagctaga   120

tactaattag atcgctgaaa tcgagaaaga gaaacaaacc atagtactac tactaatttt   180

gattaaggat ttgatctaat ataatataat ttcacgattt aattaaccgc agaagctgcc   240

tcggtgtgtg agggacaaaa ggaggtggga gaagaaagag agagaagagg agagattgga   300

aaagatgtca tcatcatcga actcgccgtg cgcggcgtgc aagtttctga ggcgaaagtg   360

cacgcangag tgcgtgttcg cgccgtactt                                     390
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<210>   9042
<211>   205
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099c06d1

<400>   9042

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tttttctttc actatccctt tcgaactctc tccgattagg gcacacgcga tgcctctctt    60

cctctccgac gaggagttcg cgtggtgctc cggtgacggc tctgccgtgg ccgcgaaggc   120

cgacgccttc atccgcggcc tcttcaacga gctcgacacc gtccgctcaa ggcccacggc   180

cgcgacatta acgccgagca gaact                                          205
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<210>   9043
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099c07a1

<400>   9043

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agatgactag agagaagaga ttgatctata tatcatgtgt gtagtacctc ctgcttgggg    60

gggggggggg ggggagacat aaaggatga cggaggatcc gaaagccgta tagatgataa    120

acccaaagaa gagtctaagt ctgcaataag cggagggaat aaaaccagtc attataaaga   180

aaaataattt aatgttaagt agtagtatta tcgttactaa aagataggta aaactgagtg   240

aaaaagggca ccaatttata cgcctctagg acaaattagc attagacaag ggagcacaca   300

aagaggagcc ctattcgctt gtgttaataa gttttaaaat cggctggatc tggtactaaa   360

tttaactgta caaactgggg ccgcacttgt aatcgaagta ctcaacaacc tagtggtcgt   420
```

```
tcagctagag ggtgtaataa caacctccaa tataaccgta cataaaacgc ttggcgtaca    480

accgactgca aacaacttgg tgggtgtatt atgtaataat gttggcaacg agcacggcgt    540

caaaagacaa caga                                                       554


<210>      9044
<211>      523
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220099c08a1

<400>      9044

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acacggtata gggggggcct tgggccaata ggaagcgcaa gcgtgagact gatagcgagt    180

cacaaggggg agagaacagg cgtacggtct atgtaaaaaa aaaaaaaaaa ccctccttct    240

tcatgacgca ctgtcgtcat ttcccaagga aggttccatt ccgattgcta cctcgattac    300

tgggtttgag acgcacgtcg aggacactgg cctcgaagta gccgtagact gcgggttgcg    360

cgcaaaggcg gagttctgta taaggttata taatagatca cttccaacta gaaacgcgaa    420

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<210>      9045
<211>      544
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220099c09a1

<400>      9045

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acgtgtcaca gtggcgtaca gtccaatcta attctaatgc ttattcacag gctgggcgcg    180

cggagcccaa cccaacggat gcctagatac cggagccaaa acaacttaaa gccgcttaga    240
```

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ctcctggtaa agcctacggg aacgcagaca agctcgcggg tgtttaaaag gctactaagc   300

cggtaactaa gccagtagca cagaaaccaa gtgctgcaac tgaaggtcgg gcacaaatag   360

tatcacacca aacagacggg cacgcttaaa aatataaaag gaaagctgcc tggcttacaa   420

caacacaagc acaaagtgca gtaccggtta acttttgtgc tgttatactt agtgcagtac   480

cggatgcaaa actagcgtat ttagctatac ctgcagcaga tgcaacntgc agctacgccg   540

cgca                                                              544
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<210>      9046
<211>      381
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220099c10a1

<400>      9046

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tgcgagcagc gtagcgtgcg atttagccta agactatggg tcccttaatt gcggtggccg   180

taattacgca gccgcaactt agtacaacta caaacaagc acccgtacga tataatagtg    240

ctactgaagc catgtatgcc atggagacct ttggaggtgc ccccactaac aaactgcgag   300

cggcctcagt actagcgtac tagcatgcaa ctgcagagat gacccacgag cactagtgcc   360

gtaccggcac tgacgttact g                                            381
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<210>      9047
<211>      377
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099c10d1

<400>      9047

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atcccccaaa aaccctaaag gggggtttta aaaaaaaacc ccccaggccc aagaaaaaac   120

aaaaatgggc ccccgggggg gaaaaaaaaa aatttggggg ggcccaaatt gggaaaaccc   180

cccgaagggg gcaccccccc ttttcaaac ttttaaaccc gggaaaaaaa ccttttaaaa    240
```

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aaaaagggcc cgccccgggg cccttggtaa aaaataaaaa aataaaaaat tctttaaaaa    300

cccccccggg aagaacaaaa tgccgcccac caccccaaat tttgaaaaaa ggccaaaaag    360

ggccaccaaa ataaaaa                                                   377
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<210>     9048
<211>     548
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220099c11a1

<400>     9048
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ttttttcttc actatccctt tcgaactctc tccgattagg gcacacgcga tgcctctctt     60

cctctccgac gaggagttcg cgtggtgctc cggtgacggc tctgccgtgg ccgcgaaggc    120

cgacgccttc atccgcggcc tcttcaacga gctcgacacc gtccgctcca aggcccacgc    180

cgccgacatc aacgccgagc agaactgcct tctcatcgag cagaagtatc tctccctcac    240

cgccgagttc tccaaactcg agtcgaacat cgccgaactt caatcctctc tcgatcagcg    300

cctccgcgaa atcgacgagg tgcaatcgca gaaccaccga atcaaattgg aagcggttga    360

gaaagatagg gagatagagc ggttgaggac cgaggtggcg gagttgcaca gtcgaagag    420

gcagttgctt gagttgaacg agcagaagga tttggagcta agtgagaaga atgcaaccat    480

gaagagttat cttgataaga tggttcgtta agtgaaaatg ctgctcatac agaggcacgg    540

ctgagtga                                                             548
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<210>     9049
<211>     401
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220099c12a1

<400>     9049
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gctatggcga tttaattatt agtattattc ttattgttat ctccatttga ctcactcgct     60

ctctcttgtt tgtttgcgta gaaaaataaa atcaggtact gcagggttgt gaaagctaga    120

tactaattag atcgcttgat cgaagaaaga gaaacaaacc atagtactac tactaattnt    180
```

```
gattagggat ttgatctaat ataatataat ttcacgattt aattaaccgc agaagctgcc   240

tcggtgtgtg agggacaaaa gtgagtgaga gagagagaga gagatcagga gagattggaa   300

aagatgtcat aatcatcgaa ctcgccgtgc gcggcgtgca agtttctgag gcgaaagtgc   360

acgcaagagt gcgtgttcgc ccgtactttt cgccggaca a                        401


<210>      9050
<211>      571
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099d01a1

<400>      9050

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ttaggggtaa tattagtgta ggtggggttg gggtgtgtag agcatagcaa gtagtgttca   120

acctatacga agcagacgta tcgtgtattg gttcacattt ggggtggcaa ccaaatgtga   180

agttattaaa agtggcttgg ggtggccgca acaataataa caacaagaag attaagaaga   240

ataataataa gaagaagaaa gagaggaggc ggcggaagag gcggaggaaa aagagcatcc   300

aacgctggta cggcttggta gttgtaactg cggtctcgtc gttagcgccg acgtgtatat   360

ttaagcagcc cgtctattta agggtttgga ggaatctgtt gtttatgcgc caacagtaaa   420

cccgccaaag gcaacaacaa caacacaaac aaacccaaac ccacaaccag tactgggtga   480

ggggcatttg gggcaggctg atcggtacca aagtgggcag gcccgctact attatgatag   540

atggtgtggt ggtggtggtg gtggtggtta g                                  571


<210>      9051
<211>      518
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099d01d1

<400>      9051

cacaaagtgc tggagcaaac actaacacta acacaacacc accaacaaga agaagaagaa    60

acattcccag agaccctttt gctctgtgaa gccaaagttg ctatcttttc tcaaatgggg   120

acccgaatcc cttcgcacca gctcagcagc ggcctctacg tgtcgggtcg acccgaacaa   180
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gtaaaagagc gtccgccgac gatgacgtca cgctctgttc cgtacaccgg cggcgacccc  240

aagaagtccg gcgagctcgg gaaaatgttg gaaatccccg gcgtcgagcc gaaaccgtcg  300

cgtccgtcgt ctgggtcggt gagatccggg ccgaactcgg gcccggcggg agggaggctg  360

agcgggtcag ggcccatgtc gcgaaagtcg tccggttcgg gtccgatagc gctgcagccc  420

acgggcctga taacgtcggg cccggtcggg agtcggcggt cgggtcagct ggagcagcct  480

gcagcgacgg cggggggggaa gatggtgtac gggtcggc                         518
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<210>   9052
<211>   89
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099d02d1

<400>   9052

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acatgccact taaacaaata atagaagac                                      89
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<210>   9053
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099d03a1

<400>   9053

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taaacgagcg atatatacaa agataactaa cgcaaacggc aatggtaaaa aaaaaaaaaa  120

aaaaaaaaaa aaaccctcct tcttcatgac gcactgtcgt catttcccaa ggaaggttcc  180

attccgattg ctacctcgat tactgggttt gagacgcacg tcgaggacac tggcctcgaa  240

gtagccgtag actgcgggtt gcgcgcaaag gcggagttct gtataaggtt atataataga  300

tcacttccaa ctagaaacgc gaaacttgcc ccgcttgaag cacgcactga atgtatagga  360

aggctcggct ctgtatgctt tctgggttac gtcccaaatt gcgtcgctta ctgctaggaa  420

gcaagtcctt aatctctccc cacacctccg ggctcgaggc cctcttaccc gccggggggtg  480

gggtattacg cacatcccta atactgcagg ctttg                             515
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<210>       9054
<211>       562
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220099d04a1

<400>       9054

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cggtgcggtg ggggtttatt taaggtacgg ggtgtaaagc ctgtcgatca actaaatcct   120

gtctaacgtt attcctccta acctcttatc gaactactgc cttattaacc tcctgtcgaa   180

cgtgctgttc ctgattcctc ctcgcaacaa cttctataca ggttcgttcc caattcgact   240

ctgttctcac agttccaacg attacaacac tatccaatgg tgcagttcca actgtttcgg   300

ttactcaggc cgttcgcaca gtctctacca tggtaacatt cattggtcag ggtacactgt   360

tcttcgtgtt ctttgttacc aacttcttca ccttgatggc cggccgtgtg gtcaacatat   420

taagtgtgct ctgaggtatc ttaactcgcg tatgagtagc tttaaccaga ggtaatgtct   480

gacctcgnag gaccctcact ctctggaaag tgaaggaggc aggtgtgcga gacatcaggg   540

taagggtaac tcggtggacg ga                                            562


<210>       9055
<211>       500
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220099d04d1

<400>       9055

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tacagcaagg gaagatttca tccttaagaa cttcttccag aacaaacaga ttactgaatt   120

tattatttct cagagtcaag tcaagcatta tgatacatta ttccccaaaa caccaacaac   180

agttcttagg ggagcagtta ttacatcgta ctttcacatg aacgcgttat aaaggcagat   240

aaaagcaaat acctccaaca caggacctta agggttaagc acagcacaat actatgtgac   300

ttaaacgggg acacaattta gcaatttttc ttaaagcact acggatttgc tgaatttggt   360

cataattata gagccttgtt agtgtagaat cacacattct tgtgaaccag ctaccaccac   420
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agcagggtgt tcgcttgtgc tgactgcatc aacttttttg acactttcaa cgttgacatc 480

ctccaattac cacagccaat   500

<210>   9056
<211>   590
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099d05a1

<400>   9056

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gccacgttca cctgccgtca cgttcgtctt ggcccggctc gcttacggcg tagactccat 180

ccgaggtccg gcttcgggcg tgttctccgc aacgccgtcc acagagtccg catccgcctc 240

cacaaacatc gccccacctg cctgcacaga tgccactctc gcctcctcat aaattgcact 300

ataaggtaaa ccaattgcgc ccatttacta atcaccaccc tttgatgggg taatacttac 360

cgttaccgac cccagcttat cgcctaccgt tgcaacctgg gcacgcaaaa ctggcagaca 420

gttggtacaa ctgtcacccg ggtatcttaa ggccaggngc atatcgaaca accgggaaac 480

ggaaatgtca tcataacggc gcgggagggt ggtatgtatt cgccgaagc aacagcatag 540

ggtaaaaata tatctgctag ccatttagag aaaagaaaca agacgcagca   590

<210>   9057
<211>   360
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099d05d1

<400>   9057

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agctcaatga gttggtccgc aagaccggtg gcgccggcaa aggtcgcacc aacatgcgcc 120

gtaccgtcaa gagtgctcct cagagcattt ggtatggccc tgatcgtccc aagtacctgg 180

gtccattctc agagcagatt ccgtcatacc tgaccggaga attccccggt gactacggat 240

4099

gggacactgc tggactatca gctgacccgg aaaccttcgc caggaaccgg gagctggagg   300

tgattcacag cagatgggcc atgcttggtg cacttggctg caccttccca gagatccttg   360

<210>   9058
<211>   567
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099d06a1

<400>   9058

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tggtactgtg aagcctcatc gctttgctca aggttggtaa tggtaatatt atttgtgctc   120

tcgctatttt tccgtatcgc tgttactatc gcaccaatat cgctcgctgt gatcacccca   180

aggtaataag ttgtattcat attcctcgtc atgatgatct ctgcactggt tttcacatct   240

gtggtctcgg tcatacaagt aacaacggta tctacgtcta cctccgcggt ggccaactta   300

tctgtcggag ctggtgtgtc gcctggtgcg gtgctcgcgg gtgcaacgct atcaactgtc   360

cgcagccaac caatcgggcc ggtaaaagta acgccgccag tacgaccggc cagagggctg   420

gtcttataac ctatgcctgc cagcagtaca aacgccgtat gaaatctaaa atacaatggc   480

cgccactggg tgttagactt acggccagat gagggaggcc aggcagactg ctcggctgcg   540

attacagtag agtanacaca gtaaggc   567

<210>   9059
<211>   569
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099d06d1

<400>   9059

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gccttatgat tttagcactt gggaattgtg gtcttaaagg ccatattcct tcttggttat   180

ccaattgcag gaagttggca gttcttgact tgtcttggaa ccatttgaat ggtagtgttc   240

cttcttggat tggtcagatg gacagcttgt tctatttgga tttctcaaat aattctctca   300

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caggagaaat accaaaaggt ctggcagagt tgaagggcct catgtgcgct aactgtaata    360

gagaaaacct tgctgctttt gcattcattc ctctctttgt taagagaaac acaagtgtaa    420

gtggactgca atataaccag gcatcaagtt tccctccttc aattctcttg agcaataaca    480

tattgagtgg gaatatatgg cctgaaattg gtcaattgaa agcactgcat gtcttggatt    540

taagcagaaa caacatcgct ggtaccatt                                      569
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<210>       9060
<211>       551
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220099d07a1

<400>       9060
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ctcacaggac tacttgatct tcgctgcatg tccaggtccg tcaccggata tcacaaaaaa     60

gttatccagt attcagtatt cagttagtgg ggggcgtatg tctatatatt tgggtgggtt    120

cggtgtaaat gtatgtatat gtgtgtgatg ctgacaggtc atcaggtttc aacgcttggt    180

tgttgttgtt gttggtggtt ttgtgaagtc cagttaaagt taaagttaaa gttacggtaa    240

acaacagcta agataacaat tgcccctcag tgccttgcaa ccgcacttac tgtgttgatc    300

ctctcgcccg cactggtccc aattactgcc atcgcaacca cctcaacctt tgttgatacg    360

ctgcttctca ttatcctcgt aatggtggtc ataatcttca ccgtgatctt aatccttctc    420

ttcaccaaag tagcccttag cttagttccc actgtcctgc caactctgtt catagtcgtc    480

gtgttattaa cagtggtgcc cctccctacc cttttaatca tacccttgtg tctttactat    540

cgtcggcacc c                                                        551
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<210>       9061
<211>       617
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220099d08a1

<400>       9061
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gatgatcgac aactactggt ccgggggcca caacgggtag ccatgtgcat gtaactgtac    120
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4101

gggaagtgtt aaaatttagg gtaccaatgc gcggcgaggg tttacccggc atgttaacca   180

ggctagtggg tagtttggca cgcgcagtgg ggcgatggaa gggagaggag tgactagggt   240

agggaggggg tccgatatgc acaggaggcc ggatgaaatg cgccctaacc ggctggcgac   300

aacacacacg agggcgatgg tgggaaaagg cgattaagcc aatattaggg gccgtaacct   360

atgctacaat tgctagtgca agttgggcag aacctgaccc ggggaaagcg caacttagga   420

acaatgtggc ggttgcgcgg tttggtatta gtgaagttgc tggtagtggt aatgttataa   480

ccgccgcttt tggggcgcgc gcgggtgttg gtgcctttgg gtttggtacc cggctatttg   540

gtgagttggg tggtagtgta ttacaagttt aaactgtgtg caatacaagc tctaaatttt   600

catacgtaat ctcgcct   617

<210>   9062
<211>   546
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099d09a1

<400>   9062

agtacacagt gactagcgtc gatctatggc tagcaatgta ccagagtcct gtcaccaaca   60

aagccaaatc ctaagactat aactagacag gcaaggcaag tatacaacaa acaaacaaac   120

aaagtttatc atcgtaagag tacaccacac aaacggcaac acaaaatgca tatatcaacg   180

cacaaaagga aatatatatc ttatcttagt attattcttt ttaggcttta gtgttcctaa   240

atctaattta aaaattgaat gaatccgtat atgcggttgg ttggtcggca ggtaaggtaa   300

ttgtgtgtgt gttaaggtgg tagtaatagt ggtaattcaa ggtttgggtt cagcacaggc   360

agggcaagtc acggggctgg ggttcaaggc tctcctcagg tgcacagcaa aagcttcttc   420

aacttcaatt accgcctgcg cacacattgt cgtcaccaac ttaaaaaatc gagtcgtagt   480

tgtcgtcgag ctcgtcgtcc ctgtgttgag tgtagcgttg ggcatactgt tgtacgggcc   540

cgtaat   546

<210>   9063
<211>   394
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099d09d1

<400>   9063

acctttcttt ttttttttttt ttttttttttt tttttttttct tttttttttct ttcttctttt   60

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gctctttttt tttaagcttt ttttaaaaat ctatctcttc cttttattat tcttggaaag   180

gtataaatat tgcctctaca ttatttgttt ttaattttttt ctctctacca atttccccag   240

acaattttttg ccttctttta ccttgtaatg gagaaacctt tacttttttt aacctatctt   300

tcccgaaccc cattgatatt ttaatataaa attgtgttta caattaaagc attcataatt   360

tgttttatat agcttttccc ctcctaaatt gttt   394

<210>   9064
<211>   415
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099d10a1

<400>   9064

gctatggcga tttaattatt agtattattc ttattgttat ctccatttga ctcactcgct   60

ctctcttgtt tgtttgcgta gaaaaataaa atcaggtact gcagggttgt gaaagctaga   120

tactaattag atcgctgaat cgaagaaaga gaaacaaacc atagtactac tactaatttt   180

gattagggat ttgatctaat ataatataat ttcacgattt aattaaccgc agaagctgcc   240

tcggtgtgtg agggacaaaa gtgagtgaga gagagagaga gagaagagga gagattggaa   300

aagatgtcat catcatcgaa ctcgccgtgc gcggcgtgca agtttctgag gcgaaagtgc   360

acgcaggagt gcgtgttcgc gccgtacttt ccgccggaca accctcagag gttcg   415

<210>   9065
<211>   605
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099d11a1

<400>   9065

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gccttatgat tttagcactt gggaattgtg gtcttaaagg ccatattcct tcttggttat   180

ccaattgcag gaagttggca gttcttgact tgtcttggaa ccatttgaat ggtagtgttc   240

cttcttggat tggtcagatg gacagcttgt tctatttgga tttctcaaat aattctctca   300

caggagaaat accaaaaggt ctggcagagt tgaagggcct catgtgcgct aactgtaata   360

gagaaaacct tgctgctttt gcattcattc ctctctttgt taagagaaac acaagtgtaa   420

gtggactgca atataaccag gcatcaagtn tccctccttc aattctcttg agcaataaca   480

tattgagtgg gaatatatgg cctgaaattg gtcaattgaa agcactgcat gtcttggatt   540

taagcagaaa caacatcgct tggtccattc ctagcacaat ttcagagatg gagaactngg   600

aatca                                                                605
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<210> 9066
<211> 423
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099d11d1

<400> 9066

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atctaatcat cccaaatatt ttaataattc agcgaaacac atttattagt cacatactgt    60

attttatggg taaaagaaca catttcattt taatccgctt tttgaagatt gaaacaagcc   120

ttaaaaaagc agtgaaaagt ttcacatgac tggatttgca ttaatgtttt ttaatttttt   180

caatatacaa attttcccag accatgttag cattcattga ccgaggaagg gagagacatg   240

actgcaatca gcttaactgt tccgaacccc attgattttt taatataaga ttggtttttac   300

aattaaagca ttcagaatct ggttttcatg ttttttcccg ccctaagttg attaagttgg   360

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aaa                                                                  423
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<210> 9067
<211> 491
<212> DNA
<213> Glycine max
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<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099d12a1

<400>   9067

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agctcaatga gttggtccgc aagaccggtg gcgccggcaa aggtcgcacc aacatgcgcc   120

gtaccgtcaa gagtgctcct cagagcattt ggtatggccc tgatcgtccc aagtacctgg   180

gtccattctc agagcagatt ccgtcatacc tgaccggaga attccccggt gactacggat   240

gggacactgc tggactatca gctgacccgg aaaccttcgc caggaaccgg gagctggagg   300

tgattcacag cagatgggcc atgcttggtg cacttggctg caccttccca gagatccttg   360

agaagaatgg tgtgaaattc ggcgaggccg tgtggttcaa ggctggttca cagatcttct   420

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ccatctgggc t   491

<210>   9068
<211>   515
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099e01a1

<400>   9068

gatacactag aganctagct gtctgatcgt atcacgtagc naactgtacc caagtacctg   60

tacactgggt caggattaat tgtatatata attttgggtg tggtgtggtt aaggataaag   120

tttggtggtg tgtgtgtgtg tgggaggtgt agggtataat gtagtaagtt ttgtgtgtgt   180

gtgtttaaat ctaaaattga actagcctgt acaaccttta caaaaatcat atgcacggga   240

accgttttca atttagtagt aattttgcta ttattattat tattattatt attgtcaggg   300

ttcaattggt gacaggtggt cagctaatta ttttcttat ggtagtctct gttttaaact   360

cagtttgttt gtgtcatcac caagtgtaca tccattaaat catcgtggtg cactttaaat   420

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ctgctccaca ttggggtgct ctacactatt ctgat   515

<210>   9069

<211>   543
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099e01d1

<400>   9069

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aattacagct gttgccatct ctacgccgag ttccgggcag aagaatggat caggaggttg   120

ttttcttagt ggaaggaaat tgagggtgaa aaaggagaga gcagcaattg gaggacgatc   180

gatgggcact acagtgtgcg cagttgctga gcctgacaga cctctatggt tcccaggcag   240

cacccctcct ccatggcttg atggcactct acctggagac ttcggctttg accctcttgg   300

tcttggatct gacccggaga gtctgagatg gaatgttcag gcagagctag tgcactgcag   360

atgggcaatg ttgggtgctg ctggcatttt cattccagaa ttcctaacaa agattggtgt   420

cttgaacact ccttcatggt actcagctgg agagctggaa tacttcacgg acactactac   480

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cag   543

<210>   9070
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099e02a1

<400>   9070

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gtaatataca ccacgcactc aaatgacaag ttcaaaaata agcctcctcc actgacatac   180

ttatcttcgc ctggttcaga gcagtcatgg ttgtaatctg gtgttcatcc tgggttatct   240

tcgtcatcac ctaaacacct cgggctcaac tctccccgat tattaatgtg tccacaccca   300

attcgccaaa tggtaattcc ctaataacga tggtggtatt acaaattatg ttattagtcg   360

tcttggtctt agtcctaaaa acgagcgggt gccaaagcca ggttatagaa gtccnctgta   420

tatccagacg ttggcgtgta aatgtaactt gcgtattaac cggcggaacc tgcccagggg   480

ccaacagccg cgttagattg agccaaccac tggcgcctat atagccgggc agtca   535

<210>   9071
<211>   446
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099e02d1

<400>   9071

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tcttttcttc cttacccacc tttactttaa tttaacttaa gaatcaaata agatttatta   180

atttatcaca taatccacca atgaaatcac tgagccttta aagtaattta tgaataaaca   240

tcattaaggc aaatggtcat taaatatcaa tgactttgca aattcaaaac aaggtattat   300

aggacaataa tcgtcaattt tgcataaaat taattcattt ccaataatga ttgcctaaag   360

tgtaagcctt ggtttaacaa gaaagatgag cttaatgctc ctgtatgttt tgaatcaaac   420

ttaaccgaat ttctcccata attaca   446

<210>   9072
<211>   577
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099e03a1

<400>   9072

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gctattatgt ggtgggggtg gtacatattg gtagtagtgc tagattctgg actgttaaaa   180

atgatatata taacaaggtg cgggtgggtg cggcagggca gccagttcta cagtgaagcc   240

gggtatatat gggtggtatg atccagtagg cgtggtggta gtgccctat tttaagactg   300

gtggtgaagt cagacgtaaa ggggcggccg dacaccgcca gtagtggtcg tcggcgccgc   360

atgacgcacc acgctaccat gagatggagt gagagacgcg agcaaaaggt gccccccgca   420

acgtcggggg cccgacggca acagcggca aagttggcat ccggcgggcc gcaaagcacc   480

                                   4107

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cagcggagtt cccggcagca atggaggcac ccttgctggg gtcttcccgg tccagccagg   540

gatatcgcta acggtccagc ttccgccgac ataacag                             577
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<210>      9073
<211>      599
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220099e04a1

<400>      9073
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gatgacagag actagcgtcg atctatggct agcgaatgta ccagagtcct gtcactaaca    60

gtggggggtt acacctgact caacggcatg ggcttacata agtacggggg acgccagcgg   120

tggggaacgg ccatgagggc ataaacttgg tagggggca acagggggcct gggcggcaca   180

aaagaaaaag cgtacatacc cgcaacattc cacagcaatg gggtggccgg cctgatttag   240

aggggaagcg taagcaaagc tgtcggcgcc aacaatggga gaaacacctc cgtggcaata   300

tgcaatccaa atgcaggaga ggtaagccac aatgtcagtc tagaacagtg ccagaggagt   360

tagtaggtgg tgatttaaac tggctgctat ggatcaacgt tggttgattg agcagccaaa   420

tgcgcgagga taggtagaag ggtaacccctt ctaagccaac aatatgnggg aacgtgctga   480

ctgaaaggaa tgtttaggcc gtgaaggagc ggccaaccgt agctggacga ggctacgact   540

ggacacaagg ccgtgaagta gggcagctgn nagaaagtag ccccacagct agtgggggga   599
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<210>      9074
<211>      371
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220099e04d1

<400>      9074
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ggggggggcc ctgattatat atttatatgc cggggtgggg aaacaattta ttccccaatt    60

ttctatcccc catttgttaa cccggcccac ttattttttt gcccccccaag gaaatggccc   120

ttcaaattcg aaaaaccaaa aaacaatccc tggaaaaggg gggggtcctt aaacttttat   180

ttttgaaacc aattaaacgg gttcaaattc aacaaagcag gggccttaca taattagagg   240
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gccctctaaa actttatttg cccatattca ttggccctaa aattggaaaa atcaaaggcc   300

ccattgaccc cccccccttc attgggtttg gctaacaagt tgcccccccct tacaatgtaa   360

ttttgttctg g   371

<210>   9075
<211>   521
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099e06a1

<400>   9075

gtcactagga ctacgtcgat ctgtggctag caatgtacca ggtgcctgtc acgctttagc   60

aggggaacc tggtgaaggc tagtaagcta agtgagagct ggccacccat ggccgccgca   120

caaaaaacgg cagttgacaa gataacaaat aatgggtaga taatagatgg ggccgccttc   180

gtggtaagtt aaccggaacg cgggcaaggc gaagtagcaa gtacaaaccg agcacaatag   240

gagccattgc attggccaca gaggcccggc ccggcacgta tgccaacagc tctgcatgta   300

cgggatggtt ttgcaacagg gccagccaca caagagcgat acagcgccaa ccgctatagt   360

agagcggtca ctgacaaact aatgcactag atagcaactg ttgaatagtg gcatgagacg   420

gtgcaacaca gggtaacaac caacagagcc caaaaggaat aacgctagaa tggggttgca   480

aagctgccag agcaggttgg gtagcattcc catcccgcag a   521

<210>   9076
<211>   468
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099e06d1

<400>   9076

cacaaagtgc tggagcaaac actaacacta acacaacacc accaacaaga agaagaagaa   60

acattcccag agaccctttt gctctgtgaa gccaaagttg ctatcttttc tcaaatgggg   120

acccgaatcc cttcgcacca gctcagcagc ggcctctacg tgtcgggtcg acccgaacaa   180

gtaaaagagc gtccgccgac gatgacgtca cgctctgttc cgtacaccgg cggcgacccc   240

aagaagtccg gcgagctcgg gaaaatggtg gaaatccccg gcgtcgagcc gaaaccgtcg   300

4109

cgtccgtcgt ctgggtcggt gagatccggg ccgaactcgg cgcccgcgga gggaagctga   360

gcgggtcaag gcccatgtcg cgaaagtcgt cccgttcggg tccgatagcg ctgcagccca   420

cgggcctgat aacgtcgggc cccgtcggga gtcggcggtc gggtcagc   468

<210>   9077
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099e07a1

<400>   9077

gatgacgcgg acgggntcga tctgtggcta ggaatgtgcc aggtgcctgt caccaacaac   60

caaaggcaac gaatagcaca caacaaccaa ctgcaacgta gacaacacaa caaccaacgc   120

caacgcatcc aacacaacaa ccaaaggcaa cgaatacaac acaacaacca actacaacgc   180

aaacaacaca acaaccaacc ccaacgcatc caacacaaca accaacggca acgcatccaa   240

cacaacaacc aactccaacg cagacgacaa cacaacaacc aacggcaacg catccaacac   300

aacaaccaac gccaacgcat tcaaccaaac aaacaacgcc aacgcagtca acacaacaac   360

caaatacaac gcatacaaca aaacaaacaa cgccaacgac aacgcaccca acacaacaac   420

caaacgcaac gcaaacaaca acaaaaaccg tcccaccggc ggttacagca acggcacaga   480

gccccaaggt tttgctgccc ccatcacaac actcagcgca ggtgctgaaa cgggt   535

<210>   9078
<211>   474
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099e10a1

<400>   9078

tcatcatggc cacctctgct attcagcaat cagcattcgc aggtcaaact gctctggagc   60

agctcaatga gttggtccgc aagaccggtg gcgccggcaa aggtcgcacc aacatgcgcc   120

gtaccgtcaa gagtgctcct cagagcattt ggtatggccc tgatcgtccc aagtacctgg   180

gtccattctc agagcagatt ccgtcatacc tgaccggaga attccccggt gactacggat   240

gggacactgc tggactatca gctgacccgg aaaccttcgc caggaaccgg gagctggagg   300

tgattcacag cagatgggcc atgcttggtg cacttggctg caccttccca gagatccttg   360

agaagaatgg tgtgaaattc ggcgaggccg tgtggttcaa ggctggttca cagatcttct   420

cggagggagg acttgactac ttgggcaacc caaacctgat ccatgctcaa agca   474

<210>   9079
<211>   178
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099e10d1

<400>   9079

gcctcccaat cttcttcttc tcactatctc ttatatatat aaatcaactt tactttgatt   60

atgcttctca ctacctatta ttatatatta tactatatac tgactttaca atacatattt   120

ctctctttta actttataca attattcaga ttctgcatta tgagtagcgt agcggaat   178

<210>   9080
<211>   519
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099e11a1

<400>   9080

cacaaagtgc tggagcaaac actaacacta acacaacacc accaacaaga agaagaagaa   60

acattcccag agaccctttt gctctgtgaa gccaaagttg ctatcttttc tcaaatgggg   120

acccgaatcc cttcgcacca gctcagcagc ggcctctacg tgtcgggtcg acccgaacaa   180

gtaaaagagc gtccgccgac gatgacgtca cgctctgttc cgtacaccgg cggcgacccc   240

aagaagtccg gcgagctcgg gaaaatgttg gaaatccccg gcgtcgagcc gaaaccgtcg   300

cgtccgtcgt ctgggtcggt gagatccggg ccgaactcgg cnccggcggg agggaggctg   360

agcgggtcaa ggcccatgtc gcgaaagtcg tccggttcgg gtccgatagc gctgcagccc   420

acgggcctga taacgtcggg cccggtcggg agtcggcggt cgggtcagct ggagcagcct   480

gcagcgacgg cggnggggaa gatggtgtac cggtcggcg   519

<210>   9081

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<211>      540
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220099e12a1

<400>      9081

ggcactgatt cttcattgaa tcatggaatg acacccaaca taggcgactc gggtttcctg     60

cattgtccgg aagatgcagg acaaggaaac ccactgaaca aaacctttgt gaaggtttat    120

aagtcagggt cctttggaag gtcattggat atcaccaaat tcagcagcta ccatgagctg    180

cgtggtgaac tcgctcgaat gtttggcctt gaaggcgagt tggaggaccc tgtgagatca    240

ggctggcagc ttgtatttgt agaccgagag aatgatgttc ttctccttgg tgatggcccc    300

tggccggaat tcgtaaatag tgtatggtgc ataaagatac tttctcctca ggaagtgcag    360

caaatgggca acaatggcct tgagctgttg aactcggttc caaatcaaag gctctctaat    420

ggcatctgtg atgactatgt gagccgtcaa gacccaagaa atttaagcac tgggataaca    480

actgtggggt ctttagacta ctaatagagc tgacttcttc tatcatgttt aatattatta    540


<210>      9082
<211>      406
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220099f01a1

<400>      9082

agtacacagt gactactgtc gatctgtggc tagcaatgta ccaggtacct gtcactgcga     60

tagcgtctag tcgtaggtac tctatactca catcagttaa cccttgaccc tggaggcact    120

gcgagcaacg taccgagcga ttcagactcc gactatgggt cactattttt cggtgacagt    180

gattacgcag ccgcaaatta gtacaaatcc aaaacaagca cccctacgat ataatagtgc    240

tactgaagcc atgcatgcca tggacacctt gaagtggac ctcactatca cactgccagt    300

cgacacatta tctagctgaa tagcatgcaa catcagagat gaccgcacta gcaactgata    360

tactagctac tatgacatta ctgcatgagg cagaacagta cctatg                   406


<210>      9083
<211>      576
<212>      DNA
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<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220099f01d1

<400>   9083

gcgatgagtt cgggtagcag ccacagcagt gagaaggaga aggagaaaca gagggtgagt   60

cgcacgtcgc tgatactgtg gcacgcgcac caaaacgacg ccggatcggt gcgcaagctc   120

ctccaggagg atccctcgct cgtcaaggcc aggactacg acaaccgaac gccgctccat   180

gtggcgtccc tccacggctg gatcgacgtc gccacgtgcc tcatcgagtt cggcgccgac   240

gtcaacgcgc aagatcgctg gaaaaacacc cctctggcgg atgcggaagg agctaagaag   300

agtaatgtga tcgagctctt gcaatcgcat ggaggattgt cttttgggca aaatggaagc   360

catttcgagc cgaagccggt agcgccgccg ttgccgaaca agtgtgatgg taggaaacta   420

ncctaccgag ctcgacttct tcaactcggt gcgaatcgaa agggttcttt tgcgagatat   480

aaaagccctt ggcgggaaca ccagtgctgt aaacgtatct ttcattcttt agtaaaatta   540

ttgtgattag gacttaagct tgaggcaatt gttgtg   576

<210>   9084
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220099f02a1

<400>   9084

gatcactgtg actagcgtcg atctattgtt agcaatgtac cagagtcctg tcactggtgg   60

tgttataaga gggagcgagg ggtcgaataa attaaattta ataaaaatgg tggtatgtgg   120

acgggtgtag cctagtagtg tacaatcgac ttactaggca cttagccagc tggtctttat   180

tgcgtattca ggtagcctgt ctacacggtg gtctgtctca tcttcagatt tgaattaccc   240

tgtggtacaa cgtgtgtgtt cctctgcggt gcttctacca taattattgg gtgttcgggt   300

gctattactt tcttcttctt cttcttattt ttattcgcgt tacttgtgtt cctgttcagt   360

accacgtcct cttctcttct tcgctcctct tgttctttgt gcccaacagt gttaacacca   420

acgtctctct tgtcaactct gtctacatca tcggtagtat tctccatttt cttaatggtt   480

tctacagccg ttactaccgg attcctcgct ccggt   515

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<210>        9085
<211>        541
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220099f03a1

<400>        9085

ataactagga ctacgtcgat ctatagctac caatgtacca agtaccgtac ccgtggtgag      60

gagggcggaa cggctagcgg taagttgcta gaggcagctg aggggagtgt cggtgaagcc     120

agaaaggacg gttgggcata aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa     180

aaaaaaaaaa aaccctcctt cttcatgacg cactgtcgtc atttcccaag gaaggttcca     240

ttccgattgc tacctcgatt actgggtttg agacccacgt caaggaaact ggcctcgaag     300

tagccgtaga ctgcgggttg cgcgcaaagg cggagttctg tataaggtta tataatagat     360

cacttccaac tagaaacgcg aaacttgccc cgcttgaagc acgcactgaa tgtataggaa     420

ggctcggctc tgtatgcttt ctgggttacg tcccaaattg cgtcgcttac tgctaggaag     480

caagtcctta atctctcccc acacctccgg gctcgaagcc ctcttaaccg ccaggggtgg     540

g                                                                     541


<210>        9086
<211>        431
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220099f03d1

<400>        9086

atctaatcat cccaaatatt ttaataatac agcgaaacac attcatcagt cacatactgc      60

atcttatgga taaaagaaca cattacatat taacagcttt tgaagattga acaagcctc      120

agaaaagcag tgaaaagttt cacatgactg cattagcatt aatgtttata aatatataca     180

atatacaaat atacacagac aatgtaagca tacatagacc gaggaaggga gagacatgac     240

tgcaatcagc tcagctgtac cgaaccccat cgatattcta atataagatt ggatttacaa     300

ttaaagcatt cagaatctgt ttttcatgtt ttttcccgcc ctaagttgat taagttggtc     360

cctgaacaaa gcagcatctt tattgcgttc ttcaacaaca gctttcaaca tattgtgtaa     420
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4114

aagattaaac t

<210> 9087
<211> 560
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f04d1

<400> 9087

gaaagagaac aatttgttgt ttactaatga gagatgaagg aactaatcat ttgtcttgcc 60

atcgcaaaag aatagaactc ccataattcc attagagaag caattaatat ggggttaaat 120

ctaaaatcca aacaatggtt gccccaaagt taaacaatta aaataaaagt tgcaacttta 180

gttgccaact attcattcct atagaagttc ctagcaggaa atctaatgca gattttttcg 240

ggtaacttct atggggacat aaggaattgc tgtaatttga atttcaactt tctgcttgca 300

gaagaacccg cataaaaaag ggcaatacag gcagaacata aacaattcat tgtgcgtctg 360

agtctgttgg ggtagacttt tccgttaatg cagaaagctg tgtctcctgc tgtttcttca 420

gatacctctg ggcagttgca ttcactatct tgacaaagaa gttcataagc atgagccaca 480

caacagtgtt ccagactaaa gtgaaagaaa aatccccact tttcccctgc ttatttgggg 540

aaactggatg ggaatctttt 560

<210> 9088
<211> 450
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f05d1

<400> 9088

agaaaaacta aatccttagt atttgtataa ttactgaaag gtacaattca acgagtgatt 60

gtatacatga aacggccata tatacaggac tcagtactag ttagcagctg gaggtaagcc 120

acattggcaa atcaacataa catttataat tgcttagaat agtcacctca aaagagaaaa 180

ttcaaattcc aaaaccattc taagatatat tcatgaatca taaacatatc atcacgtatc 240

tggcatgacg ttaatagttt ggccttccac atatggccta atgaaagtcc tccgccacca 300

cacctcaaaa gctctctgaa gattgggaca gccatcacca gttttcaaga aacttccaac 360

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ccatgaaagc aaaatactct gctgatcctc caaaggcaag gtgagaattg tccttccaat    420

tccttcctcc acaagtttcc tatcgaatga                                      450


<210>      9089
<211>      314
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099f06d1

<400>      9089

ggggaaccca aacacccctt ggcccaaggc cggggttttc tggggggggta tcgggaaaaa    60

acccccaaaa aagcccctta aaaggggggc cccccccccc tttttttttcc aaaaaaaaaa   120

aagggccccc attttaaaac ccccccccccc cctccttgtg gaggggggggg cccccccccc  180

tggcccccccc tagagagaaa aaaaaaaccc cccttttttgc ccccccccct ctttctgtca  240

aagggggggtt accttgggggg gggcccccctt tcggcccccc aatagaaccc gggggggggga 300

aacccccccc cggg                                                      314


<210>      9090
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099f07d1

<400>      9090

gcaacaacca agactgacca ctttaattag aatttggggt cccaacctaa ttcgtaccaa    60

taatatagtg ataaagaaaa tctaataaaa aattaacatg caagtaccgg tgtaatccaa   120

gacccataca aattctcatt atggaagaga tgcaacaacc aaacaaactt aataatttct   180

tgcaaattat cttttacgag taagacctgc gtaatcagcg tggccatatg gttcaaacaa   240

ctccgaaaaa aggccattct tccttctagg gtcatgcttc atgtctttgc acaattgatc   300

atgataccat atgccacaat gagcaatgca tgttttccaa taatatttcc caccatattg   360

cttcaaattg tcttcccaca atttcacgtc cttttccatc tctcttatac taggcaactc   420

tatgtttcca tccaagaaat gtgatagcca caagctttttc atttccgagg caaatatatt   480

tgatgggctc tcggcata                                                  498
```

4116

<210> 9091
<211> 439
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f08d1

<400> 9091

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ccattaaaaa tttcaactca aaaggggtta tttatgggat gtaaagtcgt taaaacatcc   60

acctaaacta accaaatttt atgatcttca acaagatcac attctatttt tttcttcgag  120

atcaaatcaa tttccaaagg tggcacagct acaacaagct tgaccgaact cgagtgccca  180

tggaccaaaa gcctgaagaa ttcttcacaa caagcttgca cttaatagtc caacgggcct  240

ttctttccca aaggattctt catcaaaatc ttcgtttgtt gaattttctt ggcataactc  300

tcgagtagga tttaaatcaa gagcctccca agccattgaa ttaccatcac aaacattgcc  360

tttttttagaa gcttgattga catccacatg tgcctctgca tttggccttg tatcagtaga  420

caaaggttcc attcccttta                                               439
```

<210> 9092
<211> 433
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f09d1

<400> 9092

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ggggaaaaaa aaagatcctg ccctttaaaa aatcaagaca gaataattcc tcccaacaaa   60

ggggaaaaca atgggttttt ccctctaatg aaaaaaagcc aatggcctta tgggtaaagg  120

aacgtttatt taacccgggc aaaacaattt gtttcccctc ccacaaaaat cataaaaggt  180

aaaattcaat aaaaaagcct caaataagtt ttaaacaaaa aaagggggga agcccccccc  240

cccttttggc ccctttctca atcttggggc ccgccccccc tccccccgaa ggggccggtt  300

tattttttctt gggtggccca gcccccgccc ccccatggt ggggcccgcc cccccttggg  360

acattttggc aaagaaagga atggaaaagc cttccaaatc ccttattttg gccccaaaaa  420

caattggttt tgg                                                      433
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4117

<210> 9093
<211> 374
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f10a1

<400> 9093

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gggtgggagg aataaacttt tttccaaacc caaaaccata aagtttggat taaatttcga   60

agaaacatga tattcctttc aagacatatt aatgaacaca tgtaagagcc ttaaatggta  120

ccaactaaca gaaattttaa atataaatgt tcttagaggg gatcaacccc caaaattaaa  180

ctaattaaga ttccctaata atctattttg ctcatcatgg ctagggttt attttttcctt  240

cattggccat tttgaaaagc tgggcttggg cttctgcggc cttgttggag ttgagtgagg  300

gcacaaacct ttcccttact tggttgggag ggtaagggaa cttgttgttc accatggagt  360

tgaggaagga agct                                                    374
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<210> 9094
<211> 551
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099f10d1

<400> 9094

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cagctctttc tgttctctct ttcttctcca agcgattcat tcaattttca attcgattcg   60

atcgcattct tcttctacat tctcgattcc ttcctttctc aacaactatt atattatgca  120

tcttcgtctc cctctctcac caaccaccta gggtttctct ccgacgttag gttttttttt  180

ttcgtttctc gccgggattt tgggggcaga cttaatctcc ggcagctatg gcctccaact  240

tgcagatgag ccctcaggtg gagcagatcc acggtgaaat tcgcgacaac tttcgagccc  300

tcgcaaatgg ctttcagaag ctggataaga ttaaagatgc caatagacaa agtaatcagc  360

tggaagaact cacggacaag atgagggagt gcaaaaggtt gataaaggag tttgatcgtg  420

agattaaaga cgaagaggga agaaatcccc cagaagtgaa taagcagctc aatgatgaac  480

agcaatcaat gattaaggag cctaactcat atgtggcatt gagaaaaacg tacatgaata  540

ccattgggaa t                                                       551
```

4118

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<210>      9095
<211>      566
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220099f11d1

<400>      9095

atatgtaagg atggaggttt atttaagaag atacttacca aggggagaa atgggagaac    60

ccaaaggatc ctgatgaagt tttagtcaag tatgaagcat gccttgaaga tggaactctt   120

gtggcaaaat ctgatggagt ggagttcaca gtcaatgatg gttattttg tcctgctttg    180

tcaaaggctg ttaaaaccat gaagaaggga gagaaagtgc ttctgacagt gaagccacaa   240

tatggatttg gtgagaaggg taagccagca catgatgaag aaggtgcagt tccaccaaat   300

gcaacattgc agattactct tgagttagtt tcttggaaga ctgtctcaga agtaacggag   360

gacaagaaga tcattaagaa gatcctcaag gaaggggaag gatatgagcg tccaaatgag   420

ggagccattg tgaaatagaa agtaattggt aagctgcaag atggtacttt gttttngaaa   480

aagggccatg acgatgaagg agagctgttt gaattcacaa ctgatgagga gcaagtaatt   540

gatgggcttg acagagctgt gttgac                                        566


<210>      9096
<211>      552
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099f12a1

<400>      9096

ctccgctcca cctctactac ttattacaag aatgttaatc tatttcgtta ctatgtacat    60

atccttacct atctatataa acatcatacc atgatttgta cttacctcaa ttaactcaat   120

tcttttatta actgtatgcc gtacgcgtcg gattaatacc gggtccacga gctgctagtc   180

tacggccgcc ctttctttac tttattaaaa aatgtaacat catcccatct atgtatctat   240

atctagggga acgtcatatt tgacattgaa attaaaagga cagacagcac tattatgtca   300

tgaaggagtt cataaaaaag aaaatgatcg gattacattc aggtaagaag gagcaaaaag   360

aaaaaagaaa aagaaaggtc ttaaacggat gttgatcaca tgtgacatca gactacctgc   420
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acgcttcttc ccgtttaaga ttagaaaagc tgaaagcctc ttggtttcaa atcttgatca   480

ccactgctta tcattttac tcttgcaaga tcagtatcca gcatacctcg agccccaatc   540

tcagacttac tt                                                        552
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<210>   9097
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099f12d1

<400>   9097

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gtccacccct ttttgggtta ttatttctaa tttttataat aacttctagc cactgccaca   120

cagagtgtat ttttaaaaaa aaagagcaaa accgcaatgc atcccacgtc agcatcacgc   180

attagttgac caacaactgc tctccacgtg tgcactgtgt gccacttgac ttcccacttg   240

ctcctttctc aatccacttt gagccgtcac cgtggacccc accaccttct tccgcctctt   300

cgtcgacgac gcactatccg acgaagaaga cgacggctcc ggcgaatacc tctttgccgt   360

gacccgaacc ggttcgggct cgcctgaatt aatccggagc gggaaattca acaaagcgcg   420

cgagccgcgc attcggtacg cggctcggtc gtaagccagc gc                      462
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<210>   9098
<211>   566
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099g01d1

<400>   9098

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atatcacatt gggtcggcga gttcatacga tggtatcact cagtaactac ttgctccacc   120

tccttaaaat aaatagtaat tgccgtcgac cgagctagga tgataggcgg cgcncccgcg   180

gagggcttga aattcgggcg ggagggcctt cataaaacca agcgctggaa taccgccact   240

cactctcacc cctctagggg ggctcaaaag ccaaatccag tccatcttca gccttagctc   300

ccgaacttga tatttcatac ccgagacctc cccagaaacc ctaacctctc ccccgtagaa   360
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acaaccgtag ccgacaggaa ccacgccgca attaaagagc accaccgtag aaaccccaca    420

cccagcccta aggcccctgc cccagctccg aacgttacca tacccgagct caccctcgcc    480

tttggcgata tctccgccga ccacccaacc taccggttcg aagcccaccg agagatagag    540

aagcgcgggg gcgtccggca cggcat                                         566


<210>      9099
<211>      521
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099g02d1

<400>      9099

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agagacaaga gttgagaagt tgaatgagat ggaacaagat gcatatgaga gactggagag    180

gagttcatcc tatgtgtcct ccaaaattgg gagtccagta aatggtcata cctctattac    240

aagtactcca aatcatagat cagcaacaac cccaaagcag gctgcttctt tgaatgctga    300

ttcttcgtcc ccaatcttgg aggaaaattc taagagcagg tccataagca gtgatgatga    360

aaatatggat caggagggtt gtgaaaaagt tttcaatggt agaaatatga gtacaggtgt    420

tcaaataaac aatgacgaaa gtgattttga catttattct aagcacacta catctctaga    480

cagtaattac ctcgtggaca agaattcaag ctttggtttg g                       521


<210>      9100
<211>      339
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099g05d1

<400>      9100

cttggggcca aaaaaaacca cccttttcaa ggggggaaaa atccaccccc cctgccccgt     60

taaattaaat caaaaacgta accccccccc agggggggg aaaaattctt tccccccccca   120

aacgggaaaa gggtacccccc ccttaccccc ccccaaaacg ggggggggtc aaatttccct   180

cccaaacaaa accccattgt ttgccggata aaagggggga aaacaatggg tggccgcaac   240
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4121

agaggggggaa aattttttttc cccccctaat gacccgccaa atgccccaaa ccaataaaaa 300

acccccccgg gcccaaatcc gaggttccct ccccggggc   339

<210>   9101
<211>   255
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099g06d1

<400>   9101

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tatgcctgtc ggcaaataaa tttattatgt aaaaaaaaaa aaccccacat aaagatctaa 120

aaaattggca cttttttttta catctcaatt tcaatcatta catattaccc tgatcgggat 180

gatccaccgg agttgttgtt cggcccctcc ctctagaatg ccggtggtga ctgccgccaa 240

atttaaacct tccgg   255

<210>   9102
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099g07d1

<400>   9102

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acaaaagaag ggggattaaa gaatgtacaa ttgaattgtc aaaggcagat gactaagcat 180

catctgcatt acttccacca acatgtgctt cattgccgac ccaataatta ttattgttat 240

tgccatcagg acctgacacc ttgtaccgtt caattacaga ttttccttcc ttgtacttct 300

ggcttttttc atgagcagtc tcatatttcc aacccacaat tgatccacag cccacacaga 360

aaatgtcagc cacagtatgc atcccagggg ccatctgtct gtcctcattt tctccaggtg 420

taacattcac gaccttact   439

<210>   9103
<211>   559

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099g08d1

<400>      9103

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tttttttttt tttttttctt ttcttttttt tttttttatt ttacccaatt cttcccccccc  120

cctttccaca caaataacca ccccacccctc cccccccccc caggggggaa aaaaggggga   180

aaaaaaaaag ggggggaaaa aaatcaaaa aaagggggccc ctaaaaaaaa acggggggggg   240

ggggaggggg ccccccccata aaaaaccccc ggggccccc cccggggggga aaggggggcaa  300

acaggggggc caaaaaaaac acccggggggg gatccccggc ccggggggggc ccaaaaaaag   360

gggggggggg ggggcccccc aggggggccaa aaggggggggg ggacaaaacg ggggccaaac   420

cttttcccccc gagggggggg agggccacca aaaaaaaaac ccccgcctc gggggggcaa   480

aacaaccgca ccaccgggca ccttataaag gaggacccccg ggggcccccc ccaccggtgg   540

aaggagcggc cccccccc                                              559


<210>      9104
<211>      513
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220099g09d1

<400>      9104

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cagcaaactt ttgaatcact ttcacgatgt gtagttgtac ttgtacacaa taataatttc  180

taacaacata aataatgacg agtctttatg tgacaagaga tatgccttgt agaattaatg  240

catcagctag aacttggtta gcagcttgtg aaggatggac actgtcccaa aacacatact  300

gtgtggcatt agaacaagtt cctggtgatt ttggattaca caacaaggat gttgtcttta  360

cagtcccggt accacagcat cctctgtttg cctccacaaa accagatttt gaaggggatt  420

gaacaaggtc atagagaggc ttgtaaatgt cgaaaccgc aatcttaaga ccaggaagtt  480

gcttttgaga ctcgttgagc tgagttgagc ttt                              513
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<210>   9105
<211>   390
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099g10a1

<400>   9105

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gtcccgggtt taaaacagcc tggggggggtt cttttttcaaa tcccaatccc cccttttttct   120

tgggacccaa aaaacagggg ggggggggg cccaagtttt tgcaaaaagg ggaaaaccgg   180

gttccccccc ttatgggtac cttggggggg gccttaaagg cttagggcg gggcaacccc   240

caaattttgt ttttttttgg ggggagacca ttcaccccccc ccttttttttt ttttccaaaa   300

aaaaaaaaaa ggggggggggg gggagaaatt tcttggaaaa acattctaaa aaaaacttttt   360

ttccggggcg cgggggggggg aaccccccccc   390

<210>   9106
<211>   540
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099g10d1

<400>   9106

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ttatgtgaga gcaataatgg gctctggaaa tatactacct tcttctggca gctctgacat   180

gtctatctcc gagctccgcg agaagcacca ttgggagcta gaaaatctga ctctgaccac   240

acaacctctc aaaacgttga aattcttcac attagctgtt attcaataca tcaagaaaac   300

agcaatatat ctattggcaa aaggtggatg ggttatgctt ttcagtgttg cagttgggac   360

tcttggcata gtgctgatga cccttggttg cctccatgag aagcatcttg aggagcttct   420

tgaatatttt cgctttggac tgtggtgggt tgcccttggg gttgcttctt caattggtct   480

aggatctggt ttgcacacat ttgtcctata tttgggtccc cacatagcac tgtttacaat   540

4124

<210> 9107
<211> 92
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099g11a1

<400> 9107

gaaaatctag cagtcgtcca gaataaggcc cgaggcgccg agctgactaa tactcttacc   60

gaccttagct ttttcaattt attatttttt at   92

<210> 9108
<211> 533
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099g12a1

<400> 9108

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atcgcattct tcttctacat tctcgattcc ttcctttctc aacaactatt atattatgca   120

tcttcgtctc cctctctcac caaccaccta gggtttctct ccgacgttag gttttttttt   180

ttcgtttctc gccgggattt tgggggcaga cttaatctcc ggcagctatg gcctccaact   240

tgcagatgag ccctcaggtg gagcagatcc acggtgaaat tcgcgacaac tttcgagccc   300

tcgcaaatgg ctttcagaag ctggataaga ttaaagatgc aatagacat agtaatcagc   360

tggaagaact cacggacaag atgagggagt gcaaaaggtt gataaaggag tttgatcgtg   420

agattaaaga cgaagaggga agaaatcctc cgaagtgaat aagcagctca ctgaagaaaa   480

gccatcaatg atcaatgagc ttacctcata tgtggcattg agaaaacgga cat   533

<210> 9109
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220099g12d1

<400> 9109

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actagctaaa attaacggtg aaaaatatct aataagaaca ggaaggacta atttaactaa   120

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acaatatggt gagcttcata gccagaaaaa cacccctatt acataacaga ttgtccacaa    180

atataattct ttttccacta tgcccaagtc aatcaacaga tagaaaataa acagaagact    240

aaattaagac gaaaaactca aacttaaaat ccaactatat ttttcagtat ttcccacctt    300

gcttctaccc ctgttgaaag taacaaagta aagctgctct gcaacaaagt agatctaaat    360

ttacaagaca ggaaacgacc aacaaagtta aataaagaa agaaaaaga aaaaaggcca    420

agagaaggat aaacccgaac aaaaaccaaa agatataagc atcttaggca gaaaccctaa    480

aacccaaaaa accctaggag taaagcctgt taggagct                           518
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<210>   9110
<211>   403
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h02d1

<400>   9110

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taatagcata tacgaaaggg ataactagac aaaaatggg aagaaggaat ggcatcaaac    120

tgtgaagcca atccatcccc gtataaatcg aaattacaag agagcacatt tgtaaactca    180

gatcttgcct ccctggaatt ggaaagatga tgacagtatc ctgaagagtc catccgggtt    240

atcagtatgc acccagtggc cagcatcttc aaggacatgc atttcaactc cacctccttc    300

ctcaacagca agctcttcag ctgcatggat ccgctgaaga tcttcaagag cccatctatg    360

taagcttctt tctgctttca aaagttcac atgcacccca cga                      403
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<210>   9111
<211>   514
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h03d1

<400>   9111

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caaattaacc tgatcaggtg aatacagtaa cagatgattc ctatcatgtt caaccaaaat     60

tccagatggt tgttgcacaa tttcagcagc agcactagca tcattcttta tctcagaatc    120

aacatcaaga ggttgctgct taattttatc cagagaattg ttatcacccg aatcgtcttc    180
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tgattttttg tcgttcaaaa ttgcagactt gtttttatcc tctacttgtt ccactttaac   240

agcttgtcca caattctgtt tatcaccttc aacagaggta ccagagtccc tcttttgcat   300

tgaagatgca ggaagcaaat ctgctccctg agtctcattg tcatcaaaca tgacatccaa   360

tcgggaaaag ttttttatca aggttgatgt catttcaatc tcaagtctct tgtcaattct   420

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tgtgagggtt tagccgcact tttttaactc gagc   514

<210>   9112
<211>   451
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h04d1

<400>   9112

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ttttaagcct tctccttaga tggaactgtc ccatctgtgc ctgcaagcat ggcatattag   180

ctcttcctag tcaaatttgt gcactcaaat cccaaagtcc cttgaagaac cctttgaatg   240

tagtttgcaa ctttaattgc tgatttccct ccactgcatg tgagctcctt gggaagctgg   300

ttcaagaaag tgatctcata tgttggcatt ggattcatga acacaaagta cgggtacaac   360

aacttgtgtc cgttaacctc ggttccgtat aacacacttt gctttgagtt aatagcaact   420

gggacaattc tatcaactgt gttcagcaaa t   451

<210>   9113
<211>   432
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220099h05a1

<400>   9113

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gaaataaaat aaaaacagat gaaaaaaaaa ggtaataata aaataaaaag aaggggatga   120

tcgtgaataa gaaaaaaccc caggggggag aagaggaaga naaataaaaa aaaaaaaaat   180

tatagaagag agaaaaaaga aaaataaaag ggggtgggaa aagaaaaatn gaggggggaga   240

agaaaaaaaa ataaaaaaaa aaaaaaaaaa aaaaagaaaa gtataaagaa agaaaagaaa   300

aataaaaaaa agaagaaaaa aggaaaaaaa aaagaataga aaagtggaaa aaaagaaaaa   360

gaaaaaaaaa agagaggaaa gaagaaaaaa aaaagaaaaa aatggtaaga aaatgaaaaa   420

aaaaaaaaaa ga   432

<210>   9114
<211>   400
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h05d1

<400>   9114

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agataactaa aatctgtcac tgaaatcttc agaaaaatag cggaaaaaac atctccacaa   120

gacatcacag actatattaa gattattact aagtagtaat gaaaacacag attatgatgt   180

aagcaataac aagtttgtaa caaagtacaa aatcaaatta agtagtgaga ataggggggg   240

aggtagtcat ctttgccacc aagaatgcca gccttggtgt ctggaaagaa tttaaatcct   300

ggcagctcgg cgacatctat ctcacttgga accccaatgg ggtagcggag attgtgacct   360

ggaaggtcat gctcaagtga cttcgtttaa ttcagatccc   400

<210>   9115
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h06d1

<400>   9115

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aactgcacat tattctcatt ctcatagtaa ctaaaaaatg ataaggcaga aaagagagat   120

ttaaaagaat aaggatttct cccctaggc atattaatcc catggactca atgaacactc   180

ctctggggta gttggataac gttcagaatc ctggcagtag tcatagatca caaggttcct   240

4128

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ccaccaattt ttggttgtgg ttgagacaca agcagggtat gggtcttccc attggcaacc 360

atccacactg aagtccttgt aggatgacac aaatggggct aatttccagt ttgtcttctt 420

aagcccacct cttggggccc agtcatctgc attccatatg ct 462

<210>   9116
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h07d1

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aaacccaatt tgttgttccc gaagggccca aaaagaaaat ttttggcgct ttttcccggc 120

ttccccccta gggggggggtt aaaaatgatt tgggggggccc cctttgggaa tgtccccctt 180

ggggggggggg gccctttttt ccataacttg gttaaaaagg ggaaaagcaa ttgcccccct 240

tttttgaagg gggggggcct tcttgtattg tttttggaaa aaaatggggg ccccttttgc 300

ccctgaacca aatttttttc ctttgttttt cccaaatggg cccgaggggt ccggggaatt 360

taagcggggg cccttcttct ttgccccgca ttgggaagga gatcccccag gggggggggac 420

ggggttttttt tcccctt 437

<210>   9117
<211>   325
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h08d1

<400>   9117

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accaaacaaa cacaaatcaa acaccttaaa ccaaaagttc aaacccaact aacaccacct 120

acaactgggg gatccaaatt taacagccat cccgggttca aggttttaca gctggaccct 180

actcgcaagg gcctgggtca caggggcacc taggaccaca aaagcccccc ccggtgttag 240

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ggggccttgg gggggggttct tccag   325

<210>   9118
<211>   315
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h09d1

<400>   9118

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ttgaaattta aaggacagat agaaatataa ggtcaagaag gagttaaaaa aaaagaaaaa   120

gaaaggatta aatataaggt caagaaggag taaaaagaaa aagaaaaag aaaggtttta   180

aacggatgtt gatatatgtg acatcagact actgcagctc ttccgtttaa gttagagagc   240

tgaaagccac ttggtttcaa atcttgatca ccatcctcat cattttact cttgcaagag   300

cagtagcaag catac   315

<210>   9119
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h10d1

<400>   9119

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tttcaagcca tattcttctt cagcttcggc cttagttccc gaacttgata ttcaacccga   120

cactccccag aaccctaatc tctcccccga agaaacaacc ttagccgaca agttccacgc   180

cgcaattaaa gagcaccacc gcagaaaccc cacacccaac cctaacgccc ctcccccaac   240

tcccaacctc accatccccg acctctccct cgccttttcc gctatctccg ccgcccaccc   300

aatctccccc tccgtcgccc accgcgtcat cgagaaatgc ggcggcgtcc gccacggcat   360

ccccttcctc caatcccttg ccttcttcaa ctggtcctcc tctctcgacg gcttccccgc   420

ctcgccggag ccctacaacg agatgctcga cctcgccgga aagttgagac aattcgacct   480

agcctggcac gtcatcgatc tcatgaagtc t   511

<210>   9120

<211>   321
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h11a1

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aaaattaacg gtgaaaaata tctaataaga acaggaagga cttatttaac taaacaatat   120

ggtgagcatc aaattcagaa taacaccctg ttctcatacc cgatagttca ctaatataat   180

ttttttttcc actatgctcc aattgagtcc acagatagac catgaacagt aagactcatt   240

ttaagaccaa ataactcaaa ccttataatc caactttttt ttttgagata ttccccacct   300

tgtttctacc cctggtcgaa a   321

<210>   9121
<211>   471
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220099h11d1

<400>   9121

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tcctagtagt gttaaagctt ccacgcacat ttgtttcccc ggtataagga gacgccgggt   120

agaaaatgat atgtccatgc tactgtagga tttcaagtaa tgattctttc accagtaatc   180

cccacaagag cattttccat ccttgaaatg atgaaacctt ttgttatctc tgacaattaa   240

ttccctccct acaatcctgg acatgatctt gatggcattg tgacagtcac cacagactcg   300

aaggttcttg atgattctaa gaggtgttct ggtggagta ctaataagac cataggcaat   360

tgctagacgt tcactgtggt agagcaaggc ttgctccttt gcttcctgat caatgtcatg   420

aagaacatat cttgtgtcag gaacataccc tgcttctttc atcccactca a   471

<210>   9122
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100a01a1

4131

<400>   9122

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tctggggccc taaccctaac tttattacct tggcacccac aatacatcac tcaactgggg   120

ctcagctgct caggggggtta attccaaatc tccatcacgt ttttgtttca gttattctct   180

tcgttcgcga cgccattttg tttcgctgaa aagggcggta tcctttgtag tcacgggttt   240

cgttttctct gttcgatttt tatatttgtt ttgttgggtt tccaacttct gcctttcatt   300

tttctgcttc tgaataggac gctatttcgt ttcgtctagt taggggattg ggaattttc   360

tgataattgc ttttgttttt gttgagaatt tg   392

<210>   9123
<211>   429
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100a02a1

<400>   9123

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ggagcggtcg tcgatgcata tctaggtggt atttgcatct attcaaatga gaactttgta   180

ggccgtatag ggtaaaggtt ccatgtaatc tgcacttgca catgggttag ttgatcctac   240

gggacggtgg aagcctgtct gatatcgctc tgtgcgcgta cttctaaagg gaatcggttt   300

aatatttctg aaccgggacg tggcggctga cggctgcgat tgggagttct gagacgttcg   360

cggggggcccc ggactgagtt atcttttctg tttaacagcc tgcccaccct ggaaacggtt   420

cattcggat   429

<210>   9124
<211>   69
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100a05a1

<400>   9124

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                                  4132

<210>   9125
<211>   411
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220100a06a1

<400>   9125

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ttaaaaatgt catccccctc gccggtggcc acggtggtct ccgccgccgc gctgtacgac   120

cgcgccaaag ccgtgaaaga attcgacgaa accaaggtcg gagtcaaagg tttgatcgat   180

tcgggaatca gaaccatccc ccctttcttc gtccacccgc ccgaaaccct agcggacctc   240

aagcgcggaa ccaaacccgg gtccgcgccg gagatcccca cggtggacct cgccgccgag   300

gagagctccc gcgccgccgt ggtggagcag gtccggcggg cggcgagcac cgtgggattc   360

ttccaggtgg tcaaccacgg cgtnccggag gagctgctat ttgcgaacgc t   411

<210>   9126
<211>   526
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100a07a1

<400>   9126

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atggggacgt gcagtataca taaacattca aaaatttgtg cagtttcaat tgacagttaa   120

tgttgttgct ctggttatca acttcttttc tgcgtgcatc actggatctg ctccactcac   180

cgctgttcag ttgctttggg tcaacttgat catggacact cttggtgcat tagccctggc   240

tactgaacct cctaacgatg gacttttgaa aagaccccca gttgcaaggg gagcaaactt   300

tatcaccaaa cctatgtgga ggaatatcat aggtcaaagc atatatcaat taatcatcct   360

agggattcta aattttgacg ggaagaggct actcggactt agtggttcag atgcaacgaa   420

agtgctcaac actttgatat tcaactcctt tgtattttgc caggtgttta atgagataaa   480

cagcagagat attgataaga taaacatatt cagaggcatg tttgac   526

<210> 9127
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220100a08a1

<400> 9127

actcaatcag agataaactg atacatccac caccctcatc agtggcatga gaaggtgtgg   60

gcttttcacc aatgaatcca acataatctc cctgcctaat tctatccaaa acataacgaa   120

gcctgttaat gatggtttta ttatcaggta acccatcaat atttactctg cttacttac   180

ccacctactg aaggaggcca agagccacgg atcttactct ggatatggtt ag   232

<210> 9128
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220100a09a1

<400> 9128

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ctgatgcaat agtagtgaac caattgtatc tgtaaacatg gctgataacg aagattcggt   120

gttcgatcct agccttctga aaaagaagaa gaagaagaag accacagcat ttgatatgga   180

tgcggctatg gctgaaggtt ctcctgcgga tgcatccgac aacactgaca agagaacac   240

ggaacccgca tcaaacgtgg ataatatgga catggatgat ttagaaagtt ttggaaaaaa   300

gaagaaaaag aagaagaagg ctttcaattt ggaagaatta gacagtgctc taccaactga   360

cacaacggca gacgaaccca gttgaaccct gcangaagat atggttgatg atagctttga   420

ctatgatatg gacttcagca nngacgaaaa gaanaagaag aagaagaggg cctagatgat   480

t   481

<210> 9129
<211> 551
<212> DNA
<213> Glycine max

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<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220100a10a1

<400>       9129

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accacctgct caacgcggag caccacttct ccgccttcaa gacaaagttc ggcaagacct   180

acgccacgca ggaggagcac gaccaccgct tccgtatctt caagaacaac ttgctccgcg   240

ccaagtcaca ccagaaattg gatccctccg ccgtccacgg cgtcaccagg ttctccgatc   300

tcactccggc ggagtttcgc cgccagttcc tcggcctgaa gccgctccgc cttccctctg   360

acgctcagaa ggctccgatc ctaccgacca acgacctccc taccgatttc gattggcgcg   420

aacatggagc cgttactgga gtaaaaaatc agggttcgtg cggatcgtgt tggtcctttt   480

agcgccgtgg agcgttggag gtgctcattn tctttctaca ggtgagctcg tgagccttag   540

cgagcaacaa c                                                        551


<210>       9130
<211>       516
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220100b01a1

<400>       9130

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tgatcacttt tggagttcac tttttattct catcaagata tcatcataat tccaatgtct   120

aaacttgtga tttcactaga tcattctcaa actatgcata accattccca agcctttcga   180

atttgtatag ataatcatta ggagttcttt tatacattct gccattgaag gtctttcatt   240

actctcagta cggacacatc ttgatgccag attggcaaac atgactatag actgaatggt   300

gtaagaattt cgagccatct ctggatctat caccttacga agcttcttgc ggtcattcag   360

tatgtgcctc acctgtagta caaggttttg atcgttggga ccttggttta gatctacagc   420

tcgacgtcca gtcaaaagct ccaaaagaac aacaccaaaa gcataaacat cactctgtag   480

agtgagtttc cctgtcgatg tatactcttg atcaaa                             516
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100b02a1

<400>   9131

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cagagcctct ggctctggct ttcgttccaa aaaagagtac ttgttcggaa aaattgacat   120

gcagctcaag cttgtgcctg gtaactctgc tggaacagta actgcctatt atttatcttc   180

tctggggcct actcatgacg aatagacttt gagtttttgg gtaacttgag tggtgatcct   240

tacactctcc acacgaacgt attcagccaa gggaaaggga acagagaaca acagttccat   300

ctatggttcg accccaccaa ggacttccac acatactccg tccaatggaa tactgcaagc   360

atcatattct ctgtggacgg gaccccaata agggagttca agaatttgga gacgaaaggg   420

gttccattcc caaagagccg acccatgaga atatactcta gtctttggaa cgctgaggat   480

agagccacaa ggcgtgggct tgtgaaaacg gattggagca tggccccatt cacagactca   540

tacag   545

<210>   9132
<211>   537
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100b03a1

<400>   9132

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tgtttgatcc acaagggatc aggaggcaca ccaccaacta cattgacaag ttgttcgatg   180

tgttcgatcc catgattgat gaacgcatga ggaggagggg agagaagggt tatgccacta   240

gccatgacat gttggatatc ttgctggata tttctgacca gagtagcgag aagattcata   300

ggaagcagat caagcatttg ttccttgacc tattcgttgc ggggacggat acaacagcct   360

acggcttaga gagaacaatg acggaactaa tgcacaatcc agaagccatg agaaaagcga   420

agaaggagat agcagaaaca ataggagtag gaaaaccggt ggaggaatcc gacgtggcaa   480

ggctgccata cctgcaatca gtaaaagaat ctctgcgaat gcacccacca gcaccac   537

<210>   9133
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100b04a1

<400>   9133

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aacgagcccc ttaagtctgg tttggcagat gcgcagaagg ccttggccgc ggcctccagg 180

cctcgcccct cggcctctaa ccccttcggt gatgctttct ctgggcctga gatgtgggcc 240

cgtctcaccg cagaccccac cactagggct tacctccaac agcctgattt cgtgaagatg 300

atgcaggata tccagagaga tcctaataac ctcaacttgc acttgaagga ccagagaatc 360

atgcaggccc taggagtttt gctcaacgtc aagattcaaa cccctcccac gggggctgac 420

accgatatgc cggattctcc atcgccctct gcggcagcgt ctgagaggaa gagagctgcg 480

gaagccgagc ctgctaagca gcccgagcct gaacctgagc ccgagcccgt gcccatggaa 540

ttgac   545

<210>   9134
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100b05a1

<400>   9134

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ggcaaaaaca ccaccaaatg ggagaggaaa aggagcagcc taagaatgac accgagaaaa 120

agcccgagga ggtagccccc aagaaagacg acggacccat ccctgtcgtt tacaaactcg 180

acttgcattg cgagggatgc gtcaagaaga tcaaacgcac ctgtcgccac ttcgaaggtg 240

tggaaaccgt taaggcggat ctatcgtcga acaaggtgac tgttaccggt aaaatggacg 300

ccgagaagct gcgagataag attgccgaga gaacaaagaa gaaggttgat atcatatcag 360

4137

ctccgccgaa aaaagaagcc gacgttgcgg aaaaaccgcc ggagaagaag gcagaagaca 420

agatgcctga tgagaaaaaa ccagatgaaa aacctaaaga gagtacggtg gttttgaaga 480

tcaaactaca ctgtgacggt tgcattgcga aaattcgaag aa   522

<210>   9135
<211>   460
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220100b06a1

<400>   9135

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tacaaataca cattcaacaa ttttcgattc aagttcaaag ccatcgacga gtgttgagga 120

agaataacaa tgggaatgat agtggattat gaaaatgacc aaaacgacgc cgttctggtt 180

ccgcccctta acttcgccat ggttgaagac tgcgttttcc gatccagctt ccccacccct 240

tccaatttcc cctttctcca aaccctaaac cttcgctcca tcatgttagc tcctctctct 300

ctctctctca atttgcactt gtaaagattc tttcatgctc caattttttct tttctgttgt 360

ttcccctcac attagttaat tgaggaaaag gaatggatat tatgtgtgtc tgcgagtgtg 420

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<211>   625
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220100b07a1

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acgatactct ttgctatgca tgctaggttg aacttcatct gccatgtaaa ttcatatttg 120

aacaaagcta atactaaat agtgttaaca agggttattt tggttctctt ttctggccaa 180

gtgagatcac ttttacttct ggaatacatt caaaaatcaa aatcatagtg gtgatctgag 240

gatgcaaaag tttctgttta tgactaaagc acacaattgc ataggtctat ttcaactttt 300

agttaaaact ttttgcagat tgaaataatt ctcaatctgt ttattcatga gactcacagt   360

atataaagta ctaaactttt cagtgtatta tatatagatt ggttatttat tctaactgaa   420

aatgtcttct acttttttct cagcaaagtc atcttagaag gttcaacaag attttatcag   480

tgagcacttg tttactatct ctcaagactg aaatttngta tgagctgagt gaataaaagg   540

agaactatgt cattggttat atctacagag ttggctgata catcatatgg gaatgccagc   600

tctaacacta aaggaactga tgttc   625

<210>   9137
<211>   513
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100b08a1

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gggcttggat gaatgctacg tgtgaaggtg ttgatgtttg atttgtggat gcataggatg   120

caataattct actgcttcta aatgaatata agtgtcgggt gtataagggg ccttctactc   180

ccctcgcggt gctttcatct ctagattagt actcacacct tataaagag aaagaaaaag   240

aaaaagagag tgatgaaagc ggagatgaag gatggagctc ctcaagttgt gatgaatcat   300

aatggtaacc acggcaaatt ctcacaccta cttgcttccc aagatcgtga ctatcttctc   360

tctccaactg gggctcaggt gaaagtttct gatcttgaag ggaaagtagt gggtctatta   420

ttcgctgcga attggtaccc accttgccgt ggattcaccc aagtcctagc tggaatctac   480

gaggagctaa aaagcagagt ccctcaattt gag   513

<210>   9138
<211>   498
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220100b09a1

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gcattgtgtc gccggttttt tttttcgccg gagaaaactc gtgctccgat ctcctctgct 180

tttgttttcg atagcatagc tgtttgaaag gttcggtttt cccggcgagg atagtgggat 240

tttccgggga ttccttggtg aattgagttt gggggaattc ttgattttga cctaaagcaa 300

aggtctttac tcaaaagttt tactggattt tgngttttta tttttatttt ctattttttt 360

tttttttttgc gttgagtaga ccgagcatga gtgagtgtca ttgtgtntga gatttggggt 420

tgatattttt tggtaaataa aaaacaagat anaatttatt cttttaagat tctgaaaact 480

atcttatcct tttttttta 498

<210> 9139
<211> 414
<212> DNA
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<223> Clone ID: jC-gmfl02220100b10a1

<400> 9139

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tgctcttgca ggagagagcc atgtccatgc atcgctacct gaggaagatt attgggaagc 120

tgtttggcca aacactccca ttcccactgc actgcgagag cttctaaagc ctctccctgc 180

aggtgttgaa atcgatgaac tccctaagca aattgatgat acacagtacc caaaaacatt 240

cttctataaa gaagaccttc atccaggcaa aacaatgaaa gtacaattca ccaagcgtcc 300

ctatgcacaa ccttatggtg tatatacatg gttaacggat attaaagaca cctctaaaga 360

aggatatagt tttgaagaga tatgcatcaa gaaagaagcg tttgagggag aaga 414

<210> 9140
<211> 408
<212> DNA
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<223> Clone ID: jC-gmfl02220100c01a1

<400> 9140

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aggccataat aaccatagac aagtattggt tattttttttt caaagccacc atctataagc 120

caaccacaca caccttttta tatggggaaa ctggtgggaa atcctttgaa acacaaacct 180

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ttctcacttg aacgatggag caatgtgtat ggaagctgaa ctggcccatg tcggcttttc   240

aaacctggat cattgttccc ctgtgggaat tttccctcaa tttctggccg gttggttccc   300

aaccttttga aagctttcaa tgcctttgaa tccgcagtcc aatttggatt attcctttgg   360

gccagggaga cctcatcaga agcatgcctt gacaatatct ctatcact                408
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<210>      9141
<211>      546
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220100c02a1

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gatatgctag ataagccatc cttaggagca atatatccgt cctcttcaat ttattagcag   180

aaggtgtgtt gcgtattaga ccatagtctt tttgtcattg ttgtttccca acaacgcagt   240

ttagcctttg agagcatcag caatcacatg gtgatcagaa tatcattcag caattgaaga   300

tcagtggcat caggcatagg ctagcaagca atgatatggc tttcttccca gcaaatttca   360

tgctacaaac acctcaccaa gatgaccatc aacctccacc ttcactcaac tcaattataa   420

cttcatgtgc acctcaagag taccatggtg gaggagcatc ctttcttggc angagatcta   480

tgtcattttc agggattgaa ctnggagaag aagctaatgc tgaggaagat tctgatgatg   540

gatctc                                                              546
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<210>      9142
<211>      454
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100c03a1

<400>      9142
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ctccgcacgt cacttcgcgt ttttctcaga ttcactctcg ccgtcgcaga tcccaaccac   120
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catgatggt  tacgacgcca  ccgtcaggct  cggcgccatc  aacctcaagc  acggtcgcgc   180

cgccgatttt  gactccgcct  cccccgacgt  atccgtctcc  tctccggtca  cgcgccagaa   240

agccgccgcc  gccaagcaat  tcatcgagaa  tcactacaaa  aactatctcc  aaggattgca   300

ggatcgcaaa  gacagacgca  gagcgcttca  gagaaaagtg  caggagtctc  agatatcggc   360

tgaggagcag  gaggaaatga  tgaggaactt  ggagcgccga  gaaactgagt  acatgaggct   420

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<211>     227
<212>     DNA
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<223>     Clone ID: jC-gmfl02220100c04a1

<400>     9143

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ccaaaggagc  tgatatcaca  ctatgagtct  tagggtatgg  actcgcaaga  tgcgtccttg   180

aaggtcatcg  aggatcttta  gaaggcgctg  tttggagtaa  tatcttt                   227


<210>     9144
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<212>     DNA
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<223>     Clone ID: jC-gmfl02220100c05a1

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ccctaataga  cagctttgtc  gcatagcact  tttttttacga  tgaccctgag  tccgtcaccg   180

ttaaccttgg  gtacatcgga  ctcttggcct  atactgttca  caaacagaag  ccgctcctcc   240

catgctgctt  gcgggactgg  atgacattct  ctgtttgtta  caaggtcatc  ttgagaatgt   300

tgctgacctt  aagcaacaat  gtggattgaa  caatacatct  actgacgcga  ccattatcat   360

tcgaacatgc  aggactctac  acagatcgtg  gtccctatcc  tgct                     404
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<210>   9145
<211>   132
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100c06a1

<400>   9145

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cgggggctaa cacactcgca cttactctct cttaaaacca ccatttacga ggtcgcgtct   120

actctggctc ta   132

<210>   9146
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<223>   Clone ID: jC-gmfl02220100c07a1

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ccctctctct ctcactctct ctcacccttt gccttgtttc cactctctgc tacgctcaca   120

catcttccct aaccctacct gtgacaaaag accattcaac acaccaatac ctaacaatcc   180

tctcttatgg cacccctgtt gagtctgcaa aatttgtgct tgatctcgga ggctcactcc   240

tctgggctga ttgtgcatcc agaaccaccc cattttttcac ccttcgcccc attttccacc   300

<210>   9147
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100c08a1

<400>   9147

cagatgctcc acctacctag tttactcccc tacggcagag catgaaaacc aaccacgggc   60

acattggcct gaacccattg tgcgccctca atccttatcc gaaaactgcg aacattcaat   120

ccctgaaagg tacatcaagc cttatactga tagaccatcc ataaaaagtt gtaattttga   180

tgatgccaat attccaatca tggaccttgg gggactattt ggtgctgacc aacatgtctc   240

agcctcaatt cttaagcaaa tcttacatgc ttgcaaagaa tggggctttt tccaagtcac   300

taatcatggt gtcaaccctg atttgatgga caaggtcagg gaaacttggc gtgaattctt   360

tcacatgccc atggaggtga agcagccata tgcatacttc ccaaaaacct atgaaggcta   420

ccgaagcaga cttggaattg agaaaggtgc tttttctgat tggagtgata actacttttt   480

cactaatctc ccttttactc aaggactata a   511

<210>   9148
<211>   197
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100c09a1

<400>   9148

ccagaattca catgtgcttg tgtcaccaac aacatctcag aattcacata tgttcatgtc   60

accaacatct caacccataa cccgaaaaaa ttcaaatgga aggttgaact gtctatgctc   120

acccaccaca catgctggtt cctttagatg tcgacaccat cgatcttctg gaattcgtcg   180

gggcaaaatc cgtgggt   197

<210>   9149
<211>   302
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100c10a1

<400>   9149

cagcaggatg tccaacatct gcattctatg cagtagtcat tgaccaagat atttcccaat   60

gcaaagaggg agttaaagtg attacttcca acataccaat gaagccttct ctatttgcca   120

cagccaaaaa tgtgaactat cttccaaatg tcctttcagt aatggaagct gaagagaaag   180

gagcatcttc ttctatatgg gttgatgagg aaggttatat tgctgaaggt ccaaatgtga   240

atgttgcttt cttaactcaa gacaaggaac ttgtcatgcc ttcttttgat aacatcttac   300

at   302

<210>   9150
<211>   119
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmf102220100d01a1

<400>   9150

ataggggccc ctaagccccc gggcggaaat ccgggtttac ctaaccgggg gaggggaaaa   60

ataacttttt tatgggggca ccaaaaaaaa aataaagggg cgggggttaa aaaacaggg   119

<210>   9151
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220100d02a1

<400>   9151

gctgaaactg cagaagcggc tcgcagccag cgtcctcaag tgtggcagag aaaggtttg   60

gcttgacccc aatgaagtca acgaaatctc catggctaat tctcgccaaa acataaggaa   120

gctggttaag gatgggttta ttatcaggaa gcccaccaag attcactctc gctcacgtgc   180

ccgccgaatg aaggaagcca agaggaaagg acgtcactct ggatatggta agcgtaaggg   240

tacaagggag gcaaggcttc ccactaaaat cctttggatg aggagaatgc gtgtgcttag   300

acgcttgctt cgcaaataca gggaatctaa gaagattgac aagcacatgt atcatgacat   360

gtacatgaag gtcaagggta acgttttcaa gaacaaaaga gttttaatgg agagcattca   420

taagtccaaa gccgagaagg caagagagaa gaccttgtcc gatcaatttg aggccaaacg   480

tgccaagaac aaggccagca gagaaagaaa aattgctcgg agggaggagc g   531

<210>   9152
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220100d03a1

<400>   9152

cttagctcaa acctcacctt aataatcttt cgtgctagct agcttaatca tattccggtt   60

ccaacagaac caaattctgc tagctagcta gtacgtcaaa ggaaataaaa taatatggca   120

ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcactt ggtcgaaggt   180

ttatctgtcg atggggctgc ttatcacaag aattgcttca gatgcagcca ttgcaatggc 240

cttcttgcga taagcaacta ctcatccacc gaaggggttt tgtactgcaa ggtgcacttt 300

gagcagcttt tcaaggaaac tggcgcctac cccaagaaat accagtcgtc tggaaagcct 360

tcactcgagc tgaatagagc accaagcaaa ctttctgcct tcttctctgg gactcaagaa 420

aaatgttcaa aatgcaagaa aacccgatat ccattggaat agttgaccgt ggaaggcgag 480

ttttaccata aa   492

<210>   9153
<211>   153
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100d04a1

<400>   9153

attattgcgt tacaagtggt ttcttgtaca tagtgataaa aaggctgctg attggggtga 60

acattcttca gatcctgcca cactgtagtg cctaagtttg gtaaagtcta aaatacctgt 120

tgccaaaagt ttccactgtt cttcaaagtg ttt   153

<210>   9154
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100d05a1

<400>   9154

ctcttcctcc tcttcaccat agccaaaggg cttcacaacc ccaaatgtga tgctacccat 60

caacatgacc atgatggctc aaccctccaa gtgttccatg tgttcagccc atgttcccca 120

tttaggccct caaagccaat gtcatgggaa gagagtgtcc taaagctaca agccaaggac 180

caagccagga tgcagtacct ttctagcttg gtggctagga ggtccattgt cccaattgcc 240

tcagggaggc aaatcacaca agccctact tacatagtga aggccaagat tggtacccca 300

gctcagaccc tcctcttggc catggacact agcaatgatg cttcctgggt cccttgcact 360

gcttgtgttg ctgctcaac aaccactccc tttgctccag ctaagtccac cactttcaag 420

aaagttggat gtggtgcttc tcatgcaaac aggtacggta ccccacttgc gacggaagcg 480

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cgtgtgcatt caacttcact tatggca                                              507
```

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<210>      9155
<211>      500
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220100d06a1

<400>      9155

cactccctcc tcttcacaca ttttcttagc tctctccaac aatccctctc gttcacactt    60

tcagattgtg tgaagatggg ggctgggggc cgaactgctg ttcctcctgc caacaggaag   120

tcagaagctt gancctttga agcgggtacc cattgaaaaa cctcagttta gtctcagcca   180

gattaagaag gccattccac ctcactgttt ccagcgctct ggtctccgct cattctccta   240

tgttggttat gacctcacca tagccttctg gctttattaa ggttgccacc aattacttcc   300

acctctttcc gggtcttttc tctttcgtgg catggccaat ctattgggct gtccagggtt   360

gcatcctaac tggntgttgg ggtcattgcc catgagtgtg gtcaccatgc attcagtgac   420

taccagctgc tngatgatat tgttggcctt atcctacact ccggtctcct agtcccgtac   480

ttttcatgga aatacagcca                                                500
```

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<210>      9156
<211>      441
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100d07a1

<400>      9156

cgttattcgc ccgacacatt ttttctccga tcccctattc ctctccattc tccgttgggt    60

cgatttttgt tactcaaaag ggaaattgat ttgatagata gacagataga tcggttctat   120

gggttaaagt gaaatccgaa tccgaatctg aatctgaatc tgatccaatc attttcatgt   180

tagggcgtgc gatctccaat caagcgcggt tgtgtttagg tttcattttg ttgggcgtgt   240

gagtcgtagg gggtttcgaa gagcatagaa taatgccttc ggtgcccgtt gatctccgtc   300

tagtcccttt tttcaccgtt taccatgggg aaccctcttt ttcatcgtct gaaaaatttt   360

aaaaaaggtg agcggggtgt taattttaaa taacactagt ttgttatttt tcccccctat   420
```

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tttttttttc ctctttttttt g                                                441


<210>        9157
<211>        569
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220100d08a1

<400>        9157

gaaatggagt tccaagataa gcgtttatct ctgagatcga gcttgacgtt cagcgagacg    60

ctgtgcgcag tgttcattcc gttcatagga atagtcgaag ctttggtttt cacattcact   120

agttgcttcg atttccaatc tcccaggaat aagaagaaac attcttctac cttcgacgac   180

attctcaccc tcgccgagga ttctccattt agtattaatg aaatcgaggc cttgcgtgag   240

ttgttcaaga agttgagtag ttctatcatt gatgatggcc tcatccacaa ggaagaactc   300

acattggcac tgttgaagac caccaccggg gagaatcttt tccttgacag ggtgtttgat   360

gtctttgatg aaaaaagaaa cggcgttata gaatttgagg agtttgtgca tgctctcagt   420

atctttcatc cttgtactcc tctggaaaag aaaattgatt ttgcttttag attgtatgac   480

ttgagacaga ctggatatat tgagagagaa gaagttaggc anatggttgt tgccattctg   540

tcagaatgtg gcatggatct ggatgatga                                      569


<210>        9158
<211>        448
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100d09a1

<400>        9158

ggcagaggaa acttagagga ggaggcaaat gtcaagcctc caaccccatt gacgcttgct    60

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tcggaagacg ggccaccggc gggctcggtg gtcccatcta tgtcgtcacc gataattccg   180

atgacgacat ggtgaaccct aagccgggga actatccgtc acgctgtcac ccaaaaaggc   240

cccttgtgga tcatcttcgg acacagcatg atcatcagtt tgaggcaaga gctgatgatt   300
```

tcctccgaca agaccatcga tggtcgtggc gcaaacgtgc aatttagggg cggtgctggc   360

ctcaccattc agttcgtgaa caacgttatt atccacggag ttcgcatcaa ggacatcgta   420

cctaaggatg gtggcatgat tagggact   448

<210>   9159
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100d10a1

<400>   9159

cgagtcactc ggtgaggctt cttttcttct ttatcaagga tcatctctct gtgtcaggat   60

ggggggagcg tgttctagga agcaagagcg ggacaacaaa gatagtccta ccagaggact   120

atcacgaaga tattgcaaaa gcgggacttt gaaatggtgg acatcctctt tttcttatcc   180

atctgtagat tttcacctac gaaaaggaga atgtccacca ctgttggact tgtgcataca   240

gaaaataaat gaggatattg ataaatataa cacattttct atgctaccac gagatataag   300

tcaagtaatt ttcaataatt tggtttactc ccgacgtcta accagtgctt cccttgaagc   360

ttttcgagag tgtgctctcc aggatcttta cttgggagag tatgatggcg ttaatgataa   420

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tgatgtcact gatttt   496

<210>   9160
<211>   293
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100e01a1

<400>   9160

atcaaattca agagattccc aaactttttt actttttatt ccctttttct cactatacag   60

tacaaataca cattcaacaa ttttcgattc aagttcaaag ccatcgacga gtgttgagga   120

agaataacaa tgggaatgat agtggatttt gaaaatgacc aaaacgacgc cgttctggtt   180

ccgcccacta acttcgccat ggttgaagac tgcgttttcc gatccagctt ccccacccct   240

tccaattttc ccttttttca aaccctaaac cttcgcttca tcatgttagc ttc   293

4149

<210> 9161
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220100e02a1

<400> 9161

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gtcgagccca aacacgtgcg acccggcatt cgcgccctcc tcggcaagct ggaaagtgaa      60

ttggaggagc tcgaacggaa cgtggaaccg tcgtggccaa agttggtgga accgttggag     120

aagatcgttg accggttatc tgtagtttgg ggcatgatca atcatctaaa gtctgttaag     180

gatagttcgg agctacgttc tgctattgaa gatgtacagg cagaaaaagt taagtttcag     240

cttagactgg gtcaaagcaa acctatttat aatgcattca aagccattca ggagtctcct     300

gattggcaga cactcagtga tgctcgaaaa cgtattgttg aaagccaaat aaaggaggcg     360

gttcttaatg gagtttctct tgaagatgat aaaagagaaa gttttaacaa aattgaacag     420

gagctggaaa agttatcaca aaagtttggg gagaatgttc tggatgcaac anagaagttt     480

gaaaagctaa tcacttgata gaaggaaa                                        508
```

<210> 9162
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220100e03a1

<400> 9162

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acaaaagaag agagagacag atagaaagag aaccgtttga gaattttaga gacgttatcg      60

gatttcaaat ccacaattcg ccggaatttg ggaaccgcgg ttgcgtccgg agcctcggtt     120

agtagttagt tagggtttct tttttctctt tcttctcttc cattcggttt caaattttcg     180

cgattagcga tggaggaacg aggctgaggc cgaatttcaa ggttctggtt tcgtcgtcgc     240

tgtggagtga agaattctgt gctgctgctg gtggtgatgt ttacgccgca gagggtttgg     300

tcgggctggt ccctgacttc gaacaggagc ggggttcggg cggaaccgg tcgggttcc       360

gatttgggtc cgaattcggg agatggagcg agcacgaagg gaaaaggtgt cgcgcttgtt     420

gagaatggtg ggaacttgga tcgcgaagtt ttggttgaga gggtttccag cctcgagaaa     480
```

4150

gagctttatg agtaccaatt caatatggga ctgctcttga ttgagaaaaa agagtggaat 540

tctaagtata cttgactaag tca   563

<210>   9163
<211>   181
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100e04a1

<400>   9163

attctgtatc aaatctcagt cttatattgg ctgtgtacat agggttatat tattgaggga   60

ctgtatttgt gttcaaattc caattccaca tggtgaacat aatttgattg ctgttagttt 120

tccaggttat gtagactatg tgacaatgca acattatttg gattggccca atattctggc 180

t   181

<210>   9164
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100e05a1

<400>   9164

taacgttggg agtgggagtg ggagtggtgt ggagttttat tccgatctta ctccgggggc   60

ggattgattt tctcgcgcgc tcccgttgct tctcgttttc ctgaattcct tcagtgctga 120

tggtcattat ggatctatga ctttacacga gcagagttag cctgtgatgc attagtccgc 180

tatccagagt ttactcgatg agtccagcat ttgaacttgt accccttaga agcctattca 240

caatcccatc ctcttctaaa acactactct gaagtgattt ggtggatgaa tagatcaagt 300

gtcctcttgg catgccctgc tgccattctg atgatactca ttatgataat ctgaatgaga 360

ttgtaaaaat tggctgcgac cattgacctt catcatggat cgaagccata cagccgatcc 420

cagaggtgca agctgcaatc ctacggtcac ctttgttcca acatcattga tcttaaccag 480

actggtgagc gtgctgctgc tctttcttgt tattaacact ccct   524

<210>   9165
<211>   611

4151

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<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220100e06a1

<400>      9165

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agaccctcac cggcaagacc atcacccttg aggtggaaag ctctgacacc atcgacaacg   120

tcaaggccaa gatccaggac aaggaaggaa tcccccgga ccagcaacgt ctcatttcg   180

ccggaaagca acttgaggac ggccgtaccc ttgctgacta caacattcag aaggagagta   240

ctcttcacct cgtcctccgt ctccgtggtg gcatgcagat cttcgttaag acactcaccg   300

gcaagaccat aaccctagag gttgaaagct ccgacaccat cgataacgtc aaggccaaga   360

tccaggacaa ggagggtatc cccccggacc agcaacgtct catcttcgcc ggaaagcagc   420

tcgaggacgg ccgcaccctc gccgactaca acatccagaa ggaatcaacc cttcacctcg   480

tcctccgtct ccgtggtggc atgcagatct tcgttaagac cctcaccggc aagactatta   540

ccctagaagt cgnaagctcc gacaccatcg acaacgtcaa ggctaagaat caggacaagg   600

agggaatccc c                                                        611


<210>      9166
<211>      489
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100e07a1

<400>      9166

ggcactatca gttgcaaaat ctctcttaga acttccagaa tgttccagaa tttacatctt   60

tctaggccat gtttatgcag cagaggctct ctgcttgatg aacagaccaa aggaagcagc   120

tgagcacttg tcattctatt tgtctggggg aaacaatgtt gacttgcctt tcagcctaga   180

ggactgtgag aaatggcaac cggagaggac tgccgatttt gaagaggtga atggaggatc   240

cacagctgct aagaattctt ctcttgaagg cactcagagt attgttttcc tcaagccaga   300

ggaggcacga gcaacaattt atgcaaattt tgctgtaatg tcggcgatgc agggtgaatt   360

tgagaaatcc aatatactgg ctgcgcaggc attgtcctta ttacctaaca gtccagaagc   420
```

cactcttact gcagtttatg tggatctctt gctcggtaag ccacaggaag ctttgaccaa   480

attaaaacg   489

<210>   9167
<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100e08a1

<400>   9167

tgccacttca aaatctcttc attttcttaa gtatttatac actgtgggtc cccgcaatta   60

aattagtttt cggctacata aacagccagt aatctttata tttttctcaa atatatatga   120

ccgtcatcat gatcgttgtg gtttgaaact gtatataata ggaacaagag tttatttcag   180

ttacttgggg gaacattaag cttggttcat caaaaggcct catcacttga agggttacta   240

tatactactt ctgtgactga aaagtgagct gaggtgtata actgcaaatg ggtgtttggt   300

ggtggaagct gtttgttgct gctcttgctg ggattctctt ctcaacccaa cattgtgctt   360

cccaaaaagt tccaaactac acatttatgc acaatgcaac gacagcacca gacgtatcat   420

actacgacta catcgtaatt ggcggcggca ccgcagggtg tcctttagct gcgacactgt   480

cccaaaatta c   491

<210>   9168
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100a09a1

<400>   9168

aaatcttatc ttagctaccc catcacaaca accacgatac tatttctcat actctattag   60

gcaaaaacac caccaaatgg gagaggaaaa ggagcagcct aagaatgaca ccgagaaaaa   120

gcccgaggag gtagccccca agaaagacga cggacccatc cctgtcgttt acaaactcga   180

cttgcattgc gagggatgcg tcaagaagat caaacgcacc tgtcgccact tcgaaggtgt   240

ggaaaccgtt aaggcggatc tatcgtcgaa caggtgact gttaccggta aaatggacgc   300

cgagaagctg cgagataaga ttgccgagag aacaaagaag aaggttgata tcatatcagc   360

4153

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tccgccgaaa aaagaagccg ccgttgcgga aaaaccgccg gagaagaagg cagaagacaa    420

gaagcctgag gagaaaaaac cagaagaaaa acctaaagag agtacggtgg ttttgaagat    480

caaactacac tgtgacggtt gcattgcgaa aattcgaaga atcattctta                530
```

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<210>        9169
<211>        368
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100f01a1

<400>        9169
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ctttattttc ccttcaattt ggattaaggc cagccatagt tgtttcctct ccaaaattgg     60

ccaaagaggt aatgaaagac aatgaccttg agtgctgtgg acgacctaaa ttactaggcc    120

aacagaaact aacctataat gggttagaca tgggatttttc ctcatacgat agttattgga    180

gagaaatcag aaaaatttgt gttgtccatg tccttagctc caaacgtgtc caaagcttta    240

cctcaataag acatttgag gtcaagcaga tgattaaaaa aatatctagg catgcctcat     300

cttcaaaggt acaatttaaa tgaagtgcta tattctttat taaactattg gatgagaaat    360

ggtttggg                                                              368
```

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<210>        9170
<211>        425
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100f02a1

<400>        9170
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ttggcgtctc tactccgtca cacgacaggg gaaaacaagc gtaacaataa attgtcgagc     60

ggaggagggc tttagaaaat gttgaagctg gtctctatgt cgagttctgg atgcaaaacg    120

gtggcactgt tgggaagacc acgaaagatg ctgaatgaca gtgcgacgac cggcacaatc    180

ttctgatacc ggaaggggag ggtgagtttg gcgatacatg aggacactcg ggcaacgcct    240

gtatttctga tggagatgcc gaagcttgcc aacgccctga caaggagaa tgcgtcagac     300

atagtgagga ttgctctcga gagcgagacc aagagctaca accaacaagc ttctggagga    360

gtactgcgtg ggctgtgtat tgcaatggga ggaaagttgg ctaatccata aggaggaagc    420
```

aaatg

```
<210>      9171
<211>      528
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220100f03a1

<400>      9171

cagcgctagc tcttgttaaa ttcttctcta ccttactact ccctcacttt gtgttagaat      60

catcatgggt ttgcaaaacc aattaaacga cgtgtcgtcg ggttcgattc cgcttctggt     120

gttggcgcag atagccacct gcgtcaacta cctccgctcc atgcttttcg cgcttttgca     180

aaccctaggt ctcagccgat tccactccga ccagatcgtc gacgagcgct tcctcgccgc     240

cgtcggatcc ggcctcgccg gacttatcat gctctccgat cagctcaccc tcagcagcca     300

attcttccac catcaccacg gcaccgccgt cgggcacgac cacgaccacg accaccaccc     360

ctgcgtcgtg tgccatgcca ccttcgagga cggcgaccag gtccgcatgc tcccctgccg     420

acacgtctta caccggcgat gcttcgacgg ctggctccac cactacaagt tcaactgccc     480

actctgccgc tctccgctct tctccgacga gcgcgtggca ctcacgga                  528


<210>      9172
<211>      443
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220100f04a1

<400>      9172

gtgacacaga aattaagcta gagcttcata gtttcttctt cttttctcac cttccttctc      60

tcccttcaga caaagggaca aaaaatcagt gtgtgagaga gagagagaga aattccaaaa     120

ccatgtccca cagtcatcta agtttcgcct ttgggattct aggtaacatt gcctccttcg     180

tgtgctttct ggcaccacta ccaacatttt atagagtttg taagaagaaa tcaaccgaag     240

ggttccaatc aattccatat gtggctgcac tcttcagtgc aatgctttgg atcttttatg     300

cctatgtgaa gaccggagaa acgcttctta tcaccatcaa tgcattcggt tgcgtgattg     360

agacaattta ccttgccgta tttatcactt actgcccgaa gaagctagga tgtcgacatt     420
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gaggatgatt gttttggtaa att   443

<210>   · 9173
<211>   . 260
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220100f05a1

<400>   9173

ggcaaaagag atgggacctg taaagttgag caagttataa acatattgaa atgatcatga   60

cgaaaaacga actagttata aacatattga gtactttata aacatattga gatagcctat 120

ttgtgattgg gattctgcat acttatctat aataatatag ccgaaccttt tatatgtggt 180

tcaaaagtag ttgttggata agaccaacgt gtcacttatc tattttgaag tcaataaatc 240

catcctggct tccattatat   260

<210>   9174
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220100f06a1

<400>   9174

atacgtgttg taattagaag aattattgga tatcatagat aatctcttta tcaagaatta   60

tatatcggaa gatgcgattc tagatatgga aaaaaatatg tatagaaagt attttgattg 120

gatgggaatc aatagagaaa tactaaatcg ttccatatcg aatccagaat tttggttctt 180

ttcaaaattt gtgatatttt atgacgcata taggggtaac tcgcaggtta taccaatcaa 240

attacttttt ttttcttcta atgtaaatca aaatgttagt gaaaataaaa agaacattac 300

tagaaagaaa aaaaatgaat ctcttgaatt ggagttagag actcgaaatc gggcaaaagc 360

agaataccct gatcaacgaa atcttgaatc atctatctca aaccagaaa aagatattga 420

aaacgattat gtaggatcag acagtgaaaa gaatagtaag ggtataaaga aaaagaaaga 480

cangaacang atggaggcag aacttaattt cttacta   517

<210>   9175
<211>   373

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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100f08a1

<400>      9175

cagctcctcc aggccaaggt atcactcatc tgaatttctg aactctcaaa aacgggggcg    60

caatctgtca ctaatcctaa aaccctacca ataccttaaa tgaaaatgca attttccaca   120

tctatggccc taaaatcaca ctattagtat cagggtatgc actctcaaca tgccttctac   180

caggtcatca tggatcttct taaagacttg attgtataaa gtccatttgc ccatgttaac   240

atgacaagct attgactgaa tcttttatga agattgatgc aattagcaat cgactcactg   300

ttcttgacat gaatctcgat tccaaccctg cttttattca tacttttgca cttgcacttg   360

cctcgttagc tgc                                                      373


<210>      9176
<211>      563
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220100f09a1

<400>      9176

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acaaatcggt ggcaaagagc ccagagggtc ttcagagccc tcactcaaat tccgtctcag   120

ccctaaaaga cggttttctc gcagagcact tctcttccgt tcaccctggt tccgtcaccg   180

ttaaccttgg ctcttccggt ctcttggcct attctcttca caaacagaac cccctcctcc   240

caaggctgtt tgcagtcgtg gatgacattt tctgtttgtt tcaaggtcat cttgagaatg   300

ttgctaacct taagcaacaa tatggattga acaaaacagc aactgaggtg atcattatca   360

ttgaagcata caggactcta agagatcgtg gtccctatcc tgctgctcag gttgtgagag   420

acttccaagg caaatttgca tttattctgt atgacagtgg ttctaagact gcatttgttg   480

ctgcggatgc tgatgggagt gttccctttg tctggngaac tgatgctgat ggaaatctcg   540

ttttctcaga tgagacagag atc                                           563


<210>      9177
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<211>        436
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100g01a1

<400>        9177

atctacggag ctgattataa ctgtcataaa aatcctctca gatctatgtt tacatcgaag        60

tgcctctgct gcatccaatg ataacaagcc ttatgatccc ttctctatga ccagacatga       120

ttctgaactg gatcagctca gagactatca agagaatgag actttatcca tcagttccac       180

tggaaagtac cacggtgtgg agagagcctc ttctgctaag agttctaatg cttctcagat       240

caaccgaata ttgacatgta atcggttgga aagttcgcta tccatttctg aaactcccag       300

cacttcaact actgatactt attcactaaa gacgagggtc aggtcttcca tgtctgggtc       360

ttgtagcggt gcatctaaga gttcatactg taaaacatcc acgatccaaa atagtctggg       420

aagaatgttc gtttat                                                       436


<210>        9178
<211>        421
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100g02a1

<400>        9178

agagcactaa ccagggaaca tatgtataca cacatgtagt gagagagaaa aaaaaagggt        60

ggttttttggt ttctcttttg gttcctttct tatatgccat atttgcatct gatgcagcaa      120

ttcctctgta acggttatta tttttgtgaa ggggttggag agaaacactg atcagtgact       180

actgcttggt tgctactact gaaaatggat tacagcaatg acaacaagga gccatgggat       240

tggcataggg aggattattg tctccaaagg agtttcaatt atgaaatttc accagggata       300

tggaatggag tttctcaaaa tgaagatctt tcctttgtgt tcaatgatga acaaccccca       360

gtgaaagctt tggggggactt tgcgtacaat gtcaataata gtgagtcaaa taatgtacaa       420

a                                                                       421


<210>        9179
<211>        570
<212>        DNA
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100g03a1

<400>   9179

atggaaacca tgccgggtgc tagagttatg agtgacatgg ttttactccc caacggcgac   60

gttttgattg ttaatggagc agctgtgggg actgcgggct gggaattggg ccgtaacccg   120

gtgttaaacc cgtttcttta taaacccaac aagcgggtcg ggatgagatt tgaggtccag   180

aacccgtctc atattccgag gatgtaccac tccggtgccg ttttgcttcg cgatgggcga   240

gttcttctcg ctgggagcaa ccctcacacg tattacaatt tcaccaaagt gttgtttcca   300

acggaactgc ggttagaagc gttttctcct tggtatcttg agcccggatt ctctaacgtg   360

cgtcccgcaa tagtatctcc tgcgtcccaa acaaaactca gtacggtca gacgttgagg   420

cttcggttta aggtgagcgc gactttggtt ggggattcgg tgtctgttac catgctggcg   480

ccgccattta acacgcactc gttcttcatg aatcagaggc tgttggtgct gagcacgacc   540

atttgagtgg ggttggagaa tcaacgcacg   570

<210>   9180
<211>   241
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100g05a1

<400>   9180

accgattgct aaaatggaat tttgatgctc agacatcatt tttaccattc tcttctgggt   60

tgctcttgca ggagagagcc atgtccatgc atcgctacct gaggaagatt attgggaagc   120

tgtatggcca aacactccca ttcccactgt actgtgagag cttctaaagc ctctctctgc   180

atgtgttgaa atctgatgaa ctctctaagc aaatcgttga tacacagtac ctcaaaacat   240

t   241

<210>   9181
<211>   521
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220100g06a1

4159

<400>   9181

catcacaccc ctcgtcacaa cttatgacca tcttatgcta tttcctctca atttcatctt   60

ggcacactca tttcatcatt tttcatttgg gtccgataaa atggtgtaaa aattgaacct 120

ttatttttta atttgtttgc ctctctctct ctctctctct ctctctctct ctctctctag 180

aattttggct tttgagtttc tctctctctt tgatattgta tcatctgtca gatattaatg 240

ggcactgcag attcctgtgg tttgcaactt gggttggggc tttttcaacc ccagctgtcc 300

ctatttgtag caaagcagtt gttgggatgg gaccaaattg acccatcatg aacctctctg 360

tggttttttca agacaaccat caatctcatt tatgatttgt gtgtgagttc tacccttgaa 420

attttcacca aatattaggg ttttaactta aacctgaatt tattatctgt gtgtttgtgt 480

tttttactct ttaggttgtc tntntcagat tgaatgggaa t   521

<210>   9182
<211>   120
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100g07a1

<400>   9182

aagctacaac acgtcactac ttctatctta acccttcacc attcctacac tctttcgtgg   60

ctctcaaata cactattcct tattctccca aacccaaaac tcttatcaaa aactaaacac 120

<210>   9183
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100g08a1

<400>   9183

tttcttgcgt tacaagtggt atcgtgtaca gagtgataaa aaggttgctg tttgtagtgt   60

acatccttct gagccggcca cactgcagtg cctaggttgt gtaaagtcta aaatacctgt 120

tgccaaaagt taccactgca ctccaaagtg tttttcagat gcatggcagc atcatcgtgt 180

cttacatgac cgtgctgcaa gtgcagccaa tgaaaatgga aatgaggaag aagagttata 240

tgggcgattt aataattctg gatctggatc aatcaatacc agcttatctg cctctgcatc 300

aagtgctagc ttgacaaatg ggtctgcacc tgtgtatccg gcagccgtta cgcaacgaag   360

tggtggtgaa acttggtttg aagtagggca atttaagacg tataccccaa cagctgatga   420

cattggacat gtccttaaat tcgagtgtac tgtagttgat gcagaaccaa acttact   477

<210>   9184
<211>   474
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220100g09a1

<400>   9184

atataatatt gcttcttggt tcattctagc taattttgat ggctcttcca atttgtctca   60

ccgttattgc aattttcacc ctttgttgtg tcattaattg taacaatggc gttgaagcgt   120

ttcatgacat atacccggat cttcaatcca tttcagcacg ttcggtgagc aaacttcaga   180

gaactggata ccattttcaa cctcgtaaga attggatcaa tgatccaaat gggcccatgt   240

actacaatgg aatctaccat ctattttacc aatacaaccc anaaggagca gtttggggca   300

acatagtgtg gggacacgca gtatcaaagg acctcatcaa ttggaaagaa cttgacctgc   360

cctatacccca tcanaaccct ttgacanata cggngtttgt tccggtcagc cactgtactc   420

ccgggtaagg gacccgtatc cttatactgg agtcattgac aagcaaagca atga   474

<210>   9185
<211>   552
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220100h01a1

<400>   9185

gacaaagagg taaaggaaga agaacaaaaa ggtggattca gggcttccat gtttattttt   60

gtgttatcag cattggacaa catgggtttt gtggcaaaca tggtgagctt ggttctatac   120

ttttatgggg tgatgcactt tgatctgtcc aactctgcca cacccctgac aaactttatg   180

ggctcaactt tcttgctctc actcgttggt ggcttcatct cggacactta cttcaacaga   240

ctaaccacat gtttgctttt tggatcactc gaagttctgg ctttggtaat gctgacggtt   300

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caagctggtc tggaccattt acacccagat tattgtggca agtcaagctg tgtcaaaggt   360

ggcatagctg tcatgtttta ctcatcattg tatttgttgg ctttgggcat gggaggagtg   420

agaggctcct tgactgcatt tggtgctgac caatttgatg aaaagaagaa cccaggagaa   480

gcaaaggctc ttgctagctt cttcaattgg attttgctga gttcaacatt gggatcaatt   540

atagggtca ct                                                        552
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<210>        9186
<211>        434
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100h02a1

<400>        9186
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gaagcactgt gttcgacttc gtcaaaagca tcatgagccg ctacgacagc cgctccggcg   60

acccagcttc ctatcgtgat cggaggagtg attctgggct aggtgcacct acagggtttg   120

gtggctctgt acaacactct tcatcaaaca ggagggatta tgatgatggt gggtcaccaa   180

agaggaacct cagtttggat ggtttacctc attttgagaa aaacttgtac attgagtcac   240

cagctgtaag ggcaatgaca gatgctgaag ttaatgagta tcggcagcag agggaaataa   300

ctgttgaagg gcgagatatc ccgaaacctg tcaagacctt tcacgatgct ggttttccag   360

aatatgtact gcaagaattt acaaaagctg gttttactga acctacaccc attcaatctc   420

aaggttggcc catg                                                     434
```

```
<210>        9187
<211>        490
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220100h03a1

<400>        9187
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aatatcatct agctagctag ctagctagca aatagcaatg ttaaaaaacc aaccacgacc   60

agattggcct gagcccattg tccgggttca gtccttatcc gaaaactgcg aacattcaat   120

ccctgaaagg tacatcaagc cttctactga tagaccatcc ataaaaagac gtaattctga   180

tgatgccaat attccaatca tcgaccttgg gggactattt ggtgctgacc aacatgtctc   240
```

```
agcctcaata cttaagcaaa tctcatatgc ttgcaaagaa tggggcttat tgcaagtcac   300

taatcatggc gtgaaccctg atttgatgga caaggtcagg gaaactaggc gtgaattctt   360

tcacatgccc atggaggaga agcagcaata tgcaaactcg ccaaaaacct atgaaggcta   420

ctgaagcaga cttggaattg agaaaggagc tattcttgat tggagtgatt actactttat   480

tcactatctt                                                          490
```

```
<210>      9188
<211>      362
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100h04a1

<400>      9188

aaatcagagg cagctaaacc gttccttcca cagtggttac agaatgctaa aactaatgaa   60

gataacggca aagtaatgga tcaggctcag aaccaagaag tgaatgtgaa gaataggact   120

caagaaatac agaagaaatg gcatgattcc tgtttgaagt tacatcctaa atttcatcag   180

ctaaatgtga gcacagagag acttgttcca acttctttgt caatgactgg cctatacaat   240

atgaatttgc tggggcgcca attccaaccc aaaataccac tgaataaaaa tcttggaacc   300

ttcttgcaat tgagctcaaa tccaacgcca attcacccat cagagcatgt ggtcagccca   360

ca                                                                  362
```

```
<210>      9189
<211>      314
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100h05a1

<400>      9189

gaaaattatt atacccttta agatgaaacc gtacctacgt gccatattct ttattgctta   60

tccttctcga ccaatccatt tcggcgagtg ctttttaaa tttaaatgga ttgctaaaca   120

ttgaaaagtg gccctctggc gagaaaagtt tggaaatggg aaagataggg aaggagacga   180

cagatcatat caaagacctt ttaaagaaac tgattgagtc ccctcccgaa ccaccgaagc   240

aaatcaatat tgaagttgaa ggcctgtctg tcgtcaagga ttacttatct gactacggct   300
```

acattgaatc ctct   314

<210>   9190
<211>   527
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220100h06a1

<400>   9190

ctcgagccgc tcgagccgca attactactt tctctctctt tgtaacttgt aagcatggag   60

tcctcaaaga tctatgctta cctcttcctt tgcatgctct tcctctcctc cgccactccc   120

attctcggtt gtggctactg tggcaaaccc cccaaaaagc acaagcctgg taaaacacca   180

aagacaccca cagtacccgt tgttaagcca ccagtcacaa tccctcccat tgttaagcca   240

ccagtcacaa tccctcccat tgttaatcca ccagtcacaa tccctcccat tgttaatcca   300

ccagtcacaa tccctcccat tgttaatcca ccagtgacag ttccacccgt tgtgcttcca   360

ccaatagtga gcccccgggg ttttctccct ccaattctta acccaccaag tacaccaaca   420

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acatgcccca ttgacacgct caaactaggt gctngtgtgg atcttct   527

<210>   9191
<211>   545
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220100h07a1

<400>   9191

cttagctcaa acctcacctc aataatcttt cgtgctagct agcttaatca tattccaatt   60

ccaacagaac caaattctgc tagctagcta gtacgtcaaa ggaaataaaa taatatggca   120

ttcagcggga cccaacagaa atgcaaggct tgcgacaaaa ctgttcactt ggtcgaaggt   180

ttatctgtcg atggggctgc ttatcacaag aattgcttca gatgcagcca ttgcaatggc   240

cttcttgcga taagcaacta ctcatccacc gaaggggttt tgtactgcaa ggtgcacttt   300

gagcagcttt tcaaggaaac tggcgcctac cccaagaaat cccagtcgtc tggaaagcct   360

```
ccactcgagc tgaatagagc accaagcaaa ctttctgcct tcttctctgg gactcaagag   420

aaatgttcaa aatgcaagaa aaccgtatat ccattggaaa agttgaccgt ggaaggcgag   480

ttttaccata natcatgttn taggtgtgca catggaggat gtttcctgac cccttcacct   540

atgct                                                              545


<210>      9192
<211>      180
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100h08a1

<400>      9192

attctgtatc aaatttcagt cagatattgg ctgtgtacat agggttatat tattgatgca    60

ctgtatttgt attcaaattc caattccaaa tggcgaacat atttgattgc tgttagtttc   120

ccaggttatg tagactatgt gacaatgcag cattatttgg atttgcccga tattctggct   180


<210>      9193
<211>      344
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220100h09a1

<400>      9193

ggagagagag aagcctgggg agtataattg gggagggtac gttgaactca tggagatggc    60

gaagaagcat ggcctgaagg tgcaggccgt tatgtcattt caccaatgtg gcggtaacgt   120

cggagactct tgcactattc ctttacccaa atgggttgtg gaggagattg ataatgaccc   180

cgatcttgca tatactgatc aatggggaag aagaaactat gaatatatat cacttggatg   240

tgatacttcg ccagtgctca agggccgaac cccagttcaa tgttatgctg atttcatgcg   300

tgctttcaga gacactttca agcacctcct tggtgacacc attg                    344


<210>      9194
<211>      389
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101a01d1
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<400> 9194

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aaggacctaa aaatcaagtt taccatgttc aaagatcgaa ctatagtttg gtttatagaa    60

caaatgcctt tggtcaccat gcccaaaagt ttgtttattg ggttatagtc cttgagacca   120

aacttttgaa atgaacagcc atagtatgac ttttaaggtc ccaaaatgca aaactccctt   180

tagaaaaaaa aaaaaaaaaa cattcttttg gacacgttaa atgtgattaa ttattgaacc   240

agaacaaata ccttccgctg tcatgtccaa aagttcgttt attatgttat gggccttcag   300

accaaacttt tgaaatgaac aggcatacta ttcattcaaa atgatgaata tgcctctttt   360

aggttaggca tttcttttcct actcgggca                                     389
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<210>   9195
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101a02d1

<400>   9195

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acttgccggc agatttgccg tctacatgtg tagtagtgcc gccttcttgg gggggggggg    60

gggtagcgaa cagtgggtag cgagagtaga agccgaacga cggcacgata aaaaccccgg   120

ccacaaacct aggaggcaaa aacgaacaac cgagatagga gggtgttgta aactcttcta   180

ctatacatgt actcaacagg gcggctgggt tggtgtgcgc tgggccatga ccctcacaag   240

atggtacaga gttagtttaa ccaattgggg gaactttact gtcagcgcac aggagcgtgt   300

gaatttgtgt gctaaaggta agcccgcgtg ttttgcctgg taaaggggcg cctgttaacg   360

attaaatagt ataaatgata ctttaacagc gtaggaaggc taacacagca cggcgcaagc   420

aggctgggtc atgaggttaa aaactagtga tcaaaagggg cggcgatggc aggctcatgc   480

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ggatataacg gttg                                                      554
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<210>   9196
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101a03d1

<400>   9196

cttcccagcc aatttaccgc tactacacgt ctagcactac caccttcttg gggggggggg   60

ggggggcgg gcggggggg gcggggggg gggccggggg ggggccgcg ggggccccct   120

tttcatttcg ggggtttagg ggtaaaaaag cctaaatagc agggttaact gcacacattt   180

agggttgggg aaagcctgca gctcggcgaa caatgtaaac cccgggcgct aacccagaca   240

ttgtggtgcc cccaaaaatt tgcggggtgg gatatcaaca cggacaacgc tcttttacca   300

aataacctta gcccggacaa caaacccgcc ccctttcgg ggattaaccc caccaatgcg   360

ccatggagtt ttgtggaaac cccggaggga ccttataaac cccccacaa ag   412

<210>   9197
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101a04d1

<400>   9197

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gatcaaggtg aagcaacagg gaggtaattt atagcagtag taattgacca aacatttggc   180

tagttacatg tagcagcctt attgccgact aacccgtact agagtatcat atgcgggaat   240

agtgaataat gagcaatggt atatgctagt tgtatgtgta cttatcctgg caacttgtca   300

gcctgaatat gtctatatac tggtgcggtg gccataaaca ggcaatcatt gtgtttagtg   360

tcagtgttaa ttacatagga tggagtatgg gatcaaaggc ataggtggcc aactcagtag   420

gcttggcaac tgcccagtta aataaatgga atcacgagtc tgatgcttgg cgaaaatatg   480

atgcaga   487

<210>   9198
<211>   120
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101a05a1

<400>   9198

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gttaacatca catttcctgt gccggtaaac tggctctact taataagcaa cttcataaac   120

<210>   9199
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a05d1

<400>   9199

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gggtggaggg ggcacgcggc ggaataggaa agagcgcaaa gcacaccaac gggataacaa   120

cataatagtg aagttaaacc ggactgacac aagtatttaa cgtgtgactg gtaatttgga   180

tagtaacact ttatccacaa cctttccctg tcccaacgat atatgtactt actatggcaa   240

tgcatcctga gctttaaaca acagcttcta gagttcgttc ctgggctcta agctagcatg   300

ggtctagctc tttcgcgagt ggtgtcctta ctatccctca ataggcctag ttaaccgtga   360

tgctatttcg gatggtgcat agccctccaa gcctgcgtga cctactcaat   410

<210>   9200
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a06a1

<400>   9200

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cgttagcatc aaggcccgcc agatcttcga cagtcgtggc aatccaactg tcgaggtgga   120

tttgacttgc tccgatggta cttttgccag agctgctgtt ccaagtggtg catccactgg   180

gatttatgag gcccttgaat tgagagatgg aggatctgac taccttggaa agggtgtatc   240

aaaggctgtt gacaatgtga acaccgtcat tggccctgct ttgattggca aggacccaac   300

tgagcagact gctattgaca acttaatggt tcaacagctt gatggaactg ttaacgaatg   360

gggttggtgc aagcaaaagc taggagcaaa tgccatattg gcagtgtctc ttgcagtctg   420

caagctggtg ctagcgtcct gaaaattcct ctttacaagc atattgctaa tatc   474

<210> 9201
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220101a06d1

<400> 9201

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accccctcnt nnttnnnnnn nnnnnnnnnn tcntcactgt atgacgtcct ccttctcttc   180

tttggggggg ggggggggag gaaactgaaa gagtaggaaa tattgggtaa acgtggaaca   240

tagaatgcgt tgactgtgcg caagtacaat gtaaaccagg cctttccgtg ggagtagatt   300

aacatgaagc ggttaatgag taatggacag agtatattca aaattctcta tttaaagtgt   360

aagctgtaaa tgtcgcgcca gtgttaccgg ggggttatgg caaaatggga cgacccggta   420

atcccccgat ccaacggact gttcctcgat atgctggtac tattaactgt tgatgtaagg   480

tgtaacactg ccggagaggg actaacatct gtacattgct agccactgt   529

<210> 9202
<211> 516
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101a07a1

<400> 9202

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gaacgagctc acgcaggtct gcgccagcat cctcaacctc ctcgactcca acctcgtacc   120

ctccgtcttc gccagcgagt ccaaggtctt ctacttgaag atgaagggcg attaccaccg   180

ctatctcgca gagtttaagg ttggggatga gagaaaaacc gctgctgagg ataccatgtt   240

gtcttacaag gctgcccagg acattgcttc tggggatctt cccccctactc accccatcag   300

attgggtctc gctctcaact tctccgtctt ctactatgaa atcctcaacc agtctgacaa   360

agcgtgtgcc atggctaaac aggctttga ggaagcaatt gctgagctgg acaccttggg   420

agaagaatcc tacaaagaca gcacgctcat aatgcagctt ttaagagaca acctcaccct   480

ttggacttct gatgtccagg accagctaga tgagcc   516

<210>   9203
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a07d1

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agtttaggag atacgagttg ggttaaaaga gtagcacata gaaaaagaaa aaataaacaa   180

cttgccgtgt gcggtagata ataggagagt atacaggctt aagtagggga gaaatgaccc   240

tcaggtggaa gggactataa acaaagcata ggtaaacttt attgttagca caccaacaag   300

attatttagt aaattgagaa gccagagtac cctgtagtga ctgccgttgc catagtacaa   360

cgttaaaccc gcacccggcg tgtggaaaac tgctaggagc actcgctgcg tgggcgacca   420

ggtggtgttt aaccgcgtta ctgtactaag gctggttgta aaacttgcgg gacttagcct   480

atatctgggc gtacatgcca gcaacagggt agacgacaac atccacaacg gcacactcac   540

atttaagt   548

<210>   9204
<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a08a1

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acgccacggc cgaagagatc gcgaaccaaa tcaaaaactc gacgctctac catgaactcg   180

ccaccgacca catgacaaaa caggccacgg acatctgcaa ggaggtacta ggttacgctg   240

tcgacgacat tcgccgatcc gttcacacgt tggaaaagtt cgacctaaac aagttgaacg   300

attacgccta tgacctcaag gtctggatcg cgggtactct agctcaccag cagacatgtt   360

4170

tggatgggtt cgagaacacg agcagcgagg ctggaaagac catggctaag gttctgaacg   420

cgtctttgga gctcagcaac acgcgttgga catagtcaac ggtgtttcga gtctcttca   479

<210>   9205
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a08d1

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gggggggggg gggggggggg gggggggggg gaaattcccc acaaggcaaa ggcacagtaa   120

aggtttaacc aagtccgaag ggactgacaa gaacgtgctg ctaaggatga cttactagcc   180

ccaaatgaat aacgctcgca acaaaaccaa aatgcaagga ataaagcacg attatgccag   240

tagtatgggg ttgggttgga aatatgctta catagagaga gaatagcgta aaaacctgtg   300

cacagcagca tccactcact agctacccag agagcctgat agacgtgagg accgaaccat   360

ggagaaaaaa acattagcaa agcaaagtac agcaaggaac tgcggcccaa gcctactcta   420

agaacgccct taacccaaga ccctatttta catttggcca gttaacaagt atctgtacgt   480

caaggactca gtgcaaacaa gggcttgccc gacgaggtaa tacttgtaag cccaggaaca   540

attggaaaat tacctta   557

<210>   9206
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a10a1

<400>   9206

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gtcctgttgt atggaccgcc cggcactgga aaaaccatgc ttgccaaagc tattgccaag   120

gagtcaggag cagttttttat taacgtgaga atatcgaact tgatgagcaa gtggtttggg   180

gatgcccaaa agcttgttgc tgctgtattt agcttggctt ataagcttca gcctgccatc   240

atattcattg atgaagtaga cagttttttg ggtcagcgtc gtacaacaga tcacgaggct   300

ttgttaaaca tgaaaactga attcatggct ctgtgggatg gatttacaac agatcagaat   360

gctcaagtta tggtccttgc agcaactaat cgtccttcag aacttgatg   409

<210>   9207
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a10d1

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ggggggggg gggggggggg gggggggggg gggggggggg gggggggccc ccccagggg   120

ggggatgaag atggtggggt gatttaaggg aaaaaaaaaa aataaaaaaa aaataaaaac   180

aaaaccccc caaaaaaact ccaaacatat ccccccctgt cataaattta ccccaaaaa   240

aaaaaccccc atataaaaaa aaaaaaaaaa aacaaacaac ccccaaaaac acccaaaaca   300

tcaaaaccca ttcaaaaccc cccaaacaca aaattatctg accccccctt ttaacaaaac   360

cacccccccc aaaagccccc aaaaattttt taccccaat ttctccccc ctctcaacca   420

aaatcacaac atttcccatt taacaccttc cctaattacc ccccccttca ccccctccaat 480

ttttcccgca tatctaataa aaccccccct aaaaccaaaa ctaaccccccc cttaaaaaaa 540

aaccgccccc taaaacctga aacccccc   568

<210>   9208
<211>   400
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101a11a1

<400>   9208

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aatcttcgtc gtggaatctg aggaaacgtc agtatgaaaa tcatggagtt ttcctcgcca   120

taatgaacga gagagaatca ctagaggcac atgttgttgg tagaagaatt tctctgggat   180

tgactttgat tgaatgattg ttcactgttc atgctaaaca acacaaacca aacggctatt   240

ctgactactt tttgatcctg tttctaatct tgtttctagg atcctgtctg tctctcttgg   300

4172

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tttggtttat tagacttgtg ctgtgtctaa gtctttcttt cagggctctg tgagttgaat    360

tcaggtgtca catccaaggc aacaaaacag gatgatgagt                           400


<210>      9209
<211>      354
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101a11d1

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aaccccagaa atgatgactg ggcaccaaat ggccaaagag taagaacatg tccaaggacc    120

acgaacaaag cgaggagtca ctaggaacgg gtgaggcatc taggagcgac ctgagcacgg    180

aagggcgagc tcaagacgct atggctggcc acctgaccgg ggatggacca ccagaatgcc    240

aatgtactta gaactgcctg gattattcac gactgacact atactagcaa actgacatta    300

tacctgcaag ttgacaactt aagttcaagg tgggaacctg gaccccggt gga            354


<210>      9210
<211>      518
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101a12a1

<400>      9210

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aaacgcttca tcagttccag cagttttagc gtttggagat tccatcgtgg acccaggcaa    180

caacaacaac ataaaaacat tgatcaagtg caacttccca ccttatggaa aggattttca    240

gggaggaaac ccaacgggtc gattttgcaa tggaaaaatt ccttctgact aatagttga     300

acaattgggt attaaggagt atttgcctgc atatttggat ccgaatctca aatctagtga    360

tcttgttacc ggcgtctgct tttgctccgg tgcttcagga tacgatcctt tgacacccaa    420

aataacgtca gttctatcgt tatctactca actagacatg ttcagggaat acataggaaa    480

gcttgaaggc atttgtggag agagcagaac aaactaca                            518
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4173

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<211>      454
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101a12d1

<400>      9211

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ccagtaaaat catcaaaaat catatttaaa cacctgaatt caacaacgta catccacttt   120

aaaggtaaat atttcacaca ggaaaaatgt ggaacgtctg tgagatggat cgatgcctgt   180

gaacattgaa atctacaaaa agtaccgaac aatcacacca aaactcgaca aatcaaaata   240

ctcattggct tcgttgacat caacataact aataattgat attacttccc gtaggcaaac   300

ttaatcgagc tcaaaacaat cgatctatgt acttttcaag aacataattt acgagctttc   360

tgtaaactcc ttctgttgga tgataactat cccaaaagac atattccgaa gcattggaac   420

aagtggcatc caaagggttg cataacactg caac                              454


<210>      9212
<211>      222
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101b01d1

<400>      9212

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gggacaccaa aataaaaggc agggggcggc aataaacaac ggggggaggg gaaaacccat   120

ggggaagcca aacataatgg tcttaaacaa aattcccaaa aaaaacgggg gggtaaaaag   180

gaaagggccg agaccaatca ccctcataaa aaaaagctaa ac                      222


<210>      9213
<211>      525
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101b02d1

<400>      9213
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4174

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gaatcaaaga ggggcagagc gacaggaaag aaatatatca acgataaaga aataggccgt  120

gtgtgaagta taaaccacag gaacgttagg cgccgcgctt ggtagcatgc aaggagatta  180

aacgatgatt tggaatagat gtacgaaaac ttacactaag taaatttaat agactaaagt  240

gtttaggtta tacggtgcta gtgcaccata gcaatttggg ccatggacat gttatctgca  300

tattggccaa cacgccaagt aaccaactaa cccgaaccat tatatggcgt tttaacaatt  360

agcccagctt attaggccag agggcggtga atatattggc tttgggcctg atggttatgc  420

ttaggctact tataaattta agtagcctta attggttagg cagttgtgta acgctgcctt  480

tatgcaagct taatatagta caaaatggac gctgtattgg gccgc                  525


<210>      9214
<211>      538
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101b03d1

<400>      9214

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ggtctgggag gtaataaata gggaaggaag aataaccata acgggatagg gggggggtt   120

attggataga gcgataaggc taactaagtc tatcctggca cacgtagaga ggtattttgt  180

taggtggtgg tagctgataa atgagaggag agggaaggtt tataggggc ggggttgggg   240

ggggtgaggc ttatgcggat cgatatgggc taagaaaacc aataataaga aggagcaaac  300

ttgacactta aggaacaggc aggggtgtg aatgacttta aactagagcg ggaagtggaa   360

gtatggctac ttattactat taaatttaag gtggttatta ttaatagtag atataattgt  420

gaggcagggt gctgctatcg gtttagagag acgaatagta tgagtcgtat tagggctact  480

aaaacttaac taaatggctg gcctatgcct tatcgacacg agtttggctc ctccaact    538


<210>      9215
<211>      541
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101b04d1



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<400>   9215

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accaatcctt gcgccacccc tattcaagtg aagttgctta aaaggactga ataaggcgtg   120

tgatagagat taatcgaacg atcgaattta caaaagattg tttaaggaaa gaccgtgaaa   180

catttgtgat ttttgtatta aagagtttgg ggtgagtatg ataaaatgct gcctgctggg   240

ggactgtgtg caaatactta aaaaatacag gaagggggg agcaaaccaa tagggagtaa   300

atataacaag gctagggata agtaagggtt tgtaaggaac tgtggtaatt gaggatccct   360

ggtggtacat acatgctaac ggggcaagtg gtcttgggcc ccgccatagc aggtaataag   420

ctgggtaagc cctcataacg agatcataag tatacgcaca ggagtgcagc gagggaactc   480

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<210>   9216
<211>   519
<212>   DNA
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<223>   Clone ID: jC-gmfl02220101b05a1

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caaagagcaa aaggactagt ggttttgata tggctccccc tgcctctgct atgttggctg   120

gtgcttctgc tgttgcaggc aatgttgggc tactagcccc actctgctga caattggcgt   180

gagccgacat ctgtagcttt tatgtccacg gaggaatcaa tgcacctgtt tttggtcaga   240

tcactggggc taaccctaca attcctggaa tgtttccaaa tatgtttccg ttggctacaa   300

atcagatgca acaatttagt gctctccctg tcatgccagt gcaggctatg actcaacagg   360

ctactcgaca tgctaggcgg gtgtatgttg gaggcctccc tcctacagct aatgagcagt   420

cagttgcaac tttcttcagt caagttatgg ctaagattgg tggaaacact gctggcccag   480

gtgatgctgt ggtcaatgtt tacattaatc atgacaaga   519

<210>   9217
<211>   519

<210>   9217
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101b05d1

<400>   9217

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gggggggggg gggggggggg acattcagaa aatgaggggg aagaaaggcc ttagtagcat   120

gggtggatga tgtctagtga acgggagcga tgagcattat aatgtgactg gataacggga   180

gcagaagaag ataaaacagg agttggatga agtaacagac aagttaaaga atagataagg   240

acttggtaga agtgtttgca ctaaagggcg gtgtgccaga caaaatactg atgatggcag   300

ggttagtaaa ggggtcttta gggaagttac tatccctggg gcgactatta gtaagagtaa   360

tcgatgttaa aaatattggg ttaatgttgc tcctaccggt attagtacct ccgccgtcgc   420

ccagtattat aggtattaaa cgattgctag aaacgcaaaa taaaaaatac gcaaagagct   480

aaagaaaggg gtagacatag ctaagcaata actagcgca   519

<210>   9218
<211>   479
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101b06a1

<400>   9218

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ccattattgc ttgctcgtta attacggcaa tgactcggct atttcgatcc aagtcttgcg   120

gactggtcga gttcaacgct gctccaccca gtccactttt ccatgatgtg aaaagcgagg   180

atgaatacaa tgaagaagag gaagaagaag aagaagaaga agaagaagaa gaagaagaat   240

tggacagtga tgatgatgat gaggatgcag acgaagatga tgatgtttcg agcaaccatg   300

tttcaacgcc gttcatgaat ccagggtcaa aagggcatgg ctgccaatcg aaccagtttg   360

cgatattgga tattttggtg gctgcgttga agaagtcgtt ggtaacttgc agtgtggaaa   420

gagaggatgt ttcttcgttg gatattagct ggccaacaga ggtgcgccat gtctcgcat   479

<210>   9219
<211>   446

<212> DNA
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<223> Clone ID: jC-gmfl02220101b06d1

<400> 9219

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gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

gggggggggg gggggggggg ggacccctaa aacccccggt ttttgggggg aaacccccaa   180

aaatttaaaa tttcccttttt ataaaaagcg ggtgcaccat taatatgccc aattggaaaa   240

ttttccaaat tttgaaaaaa tcccaggtgt tgaaaaaatt taatttaaag gtttattaaa   300

ccgggccgct aattaaaagc aactatttttg ggggattggg aaaagtagtt atttttagaaa   360

tgaaatttgt ttgcccaaat ggcctcgggg tccttaaaat ttggtaattt ctggttttgc   420

gggggataat ttttaaaagc ccttttt   446

<210> 9220
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101b07a1

<400> 9220

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cttttcactc aaaactacaa actttatttc ctctccgtat tctcacattt ccacaacatg   120

gacgaggatt tcgacatggc ggcggcggag cccatgggcg aggacttcga cttcgccggc   180

agcggcagca accccgtcct gaaggtcggc gaggagaagg agattgggaa agagggtttg   240

aagaagaagc tcctgaaaga aggtgaagga tgggacaccc ctgaagctgg tgacgaagtt   300

caagttcact atactgggac gttgcttgat ggcacgaagt ttgactctag cagagatagg   360

ggaactcctt tcagtttcac gcttggacaa gggcaagtta ttaaaggatg ggatcaaggt   420

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<210> 9221
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<223>   Clone ID: jC-gmfl02220101b07d1

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tcggtggcca atgactcaaa taaaagggcg tgttagttat agctagaagt tagtaaaagg   180

gtgaaagcgt tatcaagata gaaaaacaaa ctacatgtgt caaaggacag caagggttag   240

ccgcgggagc agggctgcgt gagagggagc cctgcactag ttggtcatct gccgggatga   300

ggcgtaacac aagtgactgg cgctacgggc agcaatagag ggttagaaaa ggggcttgtg   360

ggtggcgacg atgttggtag tggggttggt aaacgtatcg atgtaactgg catagtttgc   420

ggcggaccgg taactgtaac actgggtgga agagtaaagg tacttaaagt gaaagtactt   480

aatgccagag agcttgcccg   500

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<223>   Clone ID: jC-gmfl02220101b08a1

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cccgccgttt atggagctcg cttgaccacc ttcgaagact ccgagaagga gagtgaatac   180

ggttacgttc gcaaggtatc aggaccagtc gtcgttgcag atggcatggc tggggctgct   240

atgtatgaac tcgtgcgtgt tggtcatgat aatctcattg gtgaaattat cgtctcgaa   300

gggaattctg ctaccatcca agtttatgag gaaactgctg cttgatggt taatgatccg   360

gtgttacgga ctcacaagcc tttatccgtg gagttgggac ctggaatact ggggaatatt   420

ttcgatggaa ttcagaggcc tttgaaaact attgctaaac gatctggtga tgtctatatt   480

cctcgtggtg tctctgttcc agcactcgac aaagatacac tttgggaat   529

<210>   9223
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220101b08d1

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gcaaagatac caggtaacag aagttatggt tattaaaaag gttattgaga gcaagttaca   180

agttctggct gcgagcatat ggtagcgttg aacagaagtg gaggtgttga aagatagagg   240

caaacactat cgtgtcgggt ggaggcgtaa gggataaatg caccagcatg ctagtatagc   300

aggggactga tgtagtagat ggcagtaaaa cttatgttac tattaagaaa ccagaggaag   360

cacagatgaa gcaagtcaat acatgaagag cacaatatgt cccatcggct aatttgctca   420

gctgacatgc gcgtggataa gcccaagaa tataagcggg cactaaatga ttaaagtggt   480

aagtaggaag tag   493

<210>   9224
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101b09a1

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tgttttatcc atgggttgat catcccaaaa aagtttgctt tgtttgggta aatgaccctt   120

aaccctgttt gtgaataata atagagttag gaggttccga tgacggtcga tttggacaac   180

gcttccaccg cttcaggtga agcagccagt gtctcttcct ccggcaatca gacaaaaccc   240

gccgctccaa agaaaaaacg aaacctcccg ggcatgccag atccggaggc agaggtgatc   300

gctctgtcgc ccaagactct cttagcgacg aaccgtttcg tgtgcgagat atgcaacaaa   360

ggattccaga gagaccagaa tctgcagctc caccgccggg gtcacaacct gccgtggaag   420

ctgcggcaga ggtctagcag gaggtcagaa gagagt   456

<210>   9225
<211>   572

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101b09d1

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ggggggggg gggggggat aaaccaagat gataagatgg gagcataggg atagaaaaat   120

atgatggctg acaacaaggt aagtaattag gtatgccgat aaaataagcc cctagatctc   180

caaaatgatt ggcggataag aaagtcataa ggcaacaaaa tgatgattgt agtaaacggg   240

ttgcaaggag cttaataatg atcaattaaa ctagttaagc ttcgaaggga aagggaagta   300

aaatgcgcca cattaaacca cttcaaataa cagcagatga gtggtaaatc gcgtatgcgt   360

cttaaaattg atcataatta gattaaacgg taaatttggg gcggctaaat aattggaagg   420

taataatgat ttggtagtta cactaactcg aggcgaatgg cgattattgg ctcggggtga   480

atatacgaaa gtatacgggt gggtttgcct aaggaaaccc cctaatataa gttacaacct   540

ttttagtaga gatgggggctt tgcagaacgc ta   572

<210>   9226
<211>   435
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101b10a1

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tctctccttc tggaaggatg tcaccaagaa gtgttgaacc aatctctcca atgagtgctc   180

gtttatctgc atttgctcag cgagagaaac agcagcaaca gctgcgcagt gttagttcaa   240

gagaccttgg tgccaacagt cctgcctcac ttgttggctc ccctgcaaac ccttggtcaa   300

agtggnggtt ctcctattgg gaaagctgat tgctcagtaa atggagactc ccttggtcgt   360

cagatgcgaa gatcatcctc gtttgagcgc aagaacaatg gggaagagcc tgatctctct   420

tgggtccaat ctctg   435

4181

<210>   9227
<211>   559
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101b10d1

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ggggggggggg gggggggttg gtaccgaatg gtctacttaa ttaagttgtt aggttgggga   120

tgatatggtg ggttggcggc gtggtttaaa aaagggtatt aaaacaagag cgattggatc   180

aaaggaaaga ttgagtgtaa taacagagcg aaacccgtaa ggggcatgac atgataactg   240

cagttactgc tagggctgta acttacctgt tgaaaataca agccgtaagc caggtaaggg   300

cccaagggca aggtccgtta gtactacagc tacgacctag accacagcta aatggtgtgg   360

gcagtagtgt accgccccat gttggtatta cacaggccat ttaacacaca gtacctgtgg   420

ttttaggcgg tggctctgta aatcaccagc agtggtctag tgcatcatta acccacgtgt   480

tagggatgca ttaagtactg ggtttaagac cacaatttta tgggcattaa cccgggctac   540

cccacttaat aacgcacct   559

<210>   9228
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101b11a1

<400>   9228

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caggtgcatg gccaataatt ggtcacctcc cattgttgct tggttcaaag acacctcata   180

aaacattggg tgacttggct gacaagtatg gacccatatt ctcgatcaag attggtgcca   240

aaaacgcagt ggttgttagc aactgggaaa tggctaaaga atgctacacc acaaacgaca   300

tcgccgtttc ctccctcccc gatcttatct ccgctaacct cttgtgctac aaccgatcca   360

tgatagtcgt agcaccctac ggtccctatt ggcgccaact tcgaaagatt ttaatgtctg   420

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gttccatcac ggagct                                                    496


<210>      9229
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<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101b11d1

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acataattaa atattagata ctttcataac aactaggaga taggcgtggt ttaataagaa    120

tctcaagtgg agtggcttta gtgttggttg ctctaaagac ttcagtcata tcaagaggct    180

cagttgatgg atttaagatt tcaaaggaat gcaaaaaact agcaagtgtc aaacgaactg    240

tttgaaggcc taagtttatt ccaggacaaa tcctcctacc acctccaaat ggtaatagct    300

gaaaatgttg acccttcatg tctatatctt tatcagtcgt aaggaacctt tctggtttaa    360

actctaatgg atttgaccaa acgttatgat ctgtgtggat cttggaaaga tttgtaatta    420

gacgagttcc cttttttgaca gtgtagccac ctatagtgca atcctcttca aactcacgag    480

gtcttgagag aggagctgga                                                500


<210>      9230
<211>      450
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<223>      Clone ID: jC-gmfl02220101b12a1

<400>      9230

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tgtattgaca attcggaatg gatgcgtaac ggggattact ctccttctcg atttcaagcc    120

caaacagacg ccgtcaatct tatttgcggt gctaaaaccc agtctaatcc agaaaatacg    180

gtgggagttc tcacgatggc ggggaagggc gttcgtgttt tggtgacccc taccagtgat    240

ctgggcaaga tcttagcttg catgcatgga ctagaaatag gcggtgagat gaatctagct    300

gctggcattc aggttgcaca attggctctt aagcatcggc agaacaagaa gcagcagcaa    360
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4183

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gggagaaaat tgaaaaaaga tagtgtagct   450

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<223>   Clone ID: jC-gmf102220101b12d1

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gaactcaaca attggaacac gtgaaataac tacccgagta aaatcacttt ccaacatgct   180

accaatatgc ctcccaaagg aattctacaa ataaaacccc aaggggactt ttaagattat   240

ttttcctcct cttcatttgg gggcttggct tcattctttt ggtggggctc aaactgattt   300

tgcatggaag ccagcaaatt tttgacagat gggtcatttg gccaacccc aggaagcgat   360

gcaaggatag aa   372

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<211>   553
<212>   DNA
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<223>   Clone ID: jC-gmf102220101c02d1

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acgccgttgg gcaccggcgc ctagtaaaac aaccaaatcg tatacgggag accgatatgg   180

ataaagcgca atagagggat gggcataaaa taattgcagc atattgcagc aggagcactg   240

cagacgtata tgggagaagc agaatgtggc cacaataaac atagataacg gtacggcaga   300

aaagcctacc tgactgggat aaacggcgtt ggacaaaggc gattattaaa gaaagaatgc   360

ttaccacgac gctaagtgcc gagctagttg cggcaaaatg cgtcgtttgt gccaacaatg   420

gccggccagt attgcaacca gtgccagata gtgttaacgg tgtggggggc cggcataggg   480

gatgatgtaa aggtggacta tgcgtattta aagtgggcat acaggtaata ctactaaaca 540

cactatcgca gcg   553

<210>   9233
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220101c03d1

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gggggggggg gggggggggg gcgggggaaa aaaaaaaaac tttaaaaacc cctttaaata   180

accccccccca aaaaattaa agagactatg acccgccatc aaattttaaa aaacccataa   240

aaaacaacaa aacaaaaaaa aaacccccca gagaccaccc cccagggaaa taaaataaaa   300

cccccctaaa cccccaaaat tttttcccca aaccttataa caatcccaat ttctttttaa   360

gcttttagcc ccaatttaaa aaaaatttcc ccgggggccct ttccccccct tgagccctaa   420

attccaaacc ccccccgggt ttttcccacc ttgggggcac ttttaaaaac cccccaccc   480

aattttacc cccaaagggg cttcccccat ataagcccc caaaaatcc ccgcaaaaat   540

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<223>   Clone ID: jC-gmfl02220101c04d1

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ttgtaggagg tatgacaggt tgaggattat tagtaataac cgctttatcg ccttattgat   180

gagaaaaagg tgccactaac tagcaaaacg ctaagagcta tatgggtgaa agaaatggat   240

gccagaaaga gaattttaaa aggagtggca ggaattgcga cggctagagc cgccaaatat   300

tggtgcaaga aaggttacca actcagctca agacaatcga tccgttatac tgcacagaca 360

taagcaagta aatgcaacac agggagaact agcggtaagt tgtggactta gcggcaacgt 420

tgctaagagc gtaagcagat taaccggtac tattatagcc gatatggtag caaatagggc 480

tggggt   486

<210>   9235
<211>   491
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<223>   Clone ID: jC-gmfl02220101c05a1

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aaccggaaga ggaaaaacta gaaaagatcc caacagtgag aagcccagtg attttgatta 180

ccttccgaga gatgaagcat ttggtcactc gaagtcatca catcttctcg tttatggaat 240

caaatcagtg gctcaagaca tcttgcccgt gttgactgag gcgtacgatg caatctttc 300

gagcctagag ttcgataact ttgctgaagc gcgcagactc tatgaaggtg gagttacact 360

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ttttaaagat agaatggaat tagatagacc gacagcaacc aagtagaggt tggtgaggta 180

tggggaggca aaattcccca acgatgcta ataattagac acttttgaca gccacagatg 240

4186

cggcccaagg ttgtgcaaac gtaagtttgt tgtatgacaa ccagacacta aacgcgaacc 300

taggggactt cctttatgct ccgggtgtaa tcgtgtcgtt ggcggtggtg cgagaactgg 360

ggcggtaagt gtggcaactg gtgggttaaa ttgtggcaac cttgtgacgc cattactagt 420

acaacgttaa gacgtattat tagtgtgtgt tttaaccgac aatgtagtac agcgcgcttg 480

gcataacagg gtgagaaggc gaaccgtaag caaccgtgtt ggtggcttac gaagacgtgg 540

taaaaatgtt ggtgtacccg gtggacttaa actgctggat gtactacatt tgggtgtaac 600

tagcaagtgg tgctgaa   617

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<223>   Clone ID: jC-gmf102220101c06a1

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ttggtgcttt cgacacttgt gtccttctcc acttcacac atgccttctc ttcttctgcg 180

tttccggaac tgaatcctat aaaacctagg cactcacgtc ttctcaggag tgccgtgcaa 240

catgaaactc ctacatcaca gctttctgaa atatggtcac ctctggaaag ccaaggatgg 300

aaaccttatg ttgaatcaaa taagccaaca ttaccagaga agtccgaggg atatatccag 360

gtctttcttg atggaggttt gaaccaacaa aggatgggga tatgtgatgc agttgctgtg 420

gcaaagatac tgaatgctac tctggtgatt ccataccttg aattaaatcc tgtatggcga 480

gattcaagct ccttcatgga tata   504

<210>   9238
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220101c06d1

<400>   9238

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agtagtgcag aaagatagtg tttatataag atataatgaa tgtgtaacta tgtggagtaa    180

caataataga ataaatgtta ggaccaagac cacgccaaag actgggggga ggggtatgac    240

agagaagcgg aaagaagaac atattcaatg agaaaagata tacctgatag ttcgcactaa    300

gaagaagaag ggaacgagag atgatgatga cgtatgatga actggcctat agctaagtac    360

cactgccaga tcgagagagg caggcagggc ctggttgtac ttggacggtt ttggcgtgag    420

gggccgcatt ggtaattatg ctagttgcaa atgtgcatta tgtgagccgg ngaggtagca    480

aaactgcatt tagtaagctt agagg                                          505


<210>        9239
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<213>        Glycine max

<223>        Clone ID: jC-gmfl02220101c07a1

<400>        9239

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gagttaaacg gagtaagaag aagtcaagtg acagcggttc tcctgaatgt gaagttctta    120

ctgaggaata tgtctgtgta agtttgactt ctgaaacctg cagcagcaat gatgtggcta    180

aggagggcgt gggagaattt tcaacttctg atgatcggtt agtaaaatct gattgtgaat    240

ggaatggcgg catcaaagtg atgcaagcac ctaatagatg caactcttat cttgatcggg    300

aggccaattc aaaagctact gcgcctattg ctcaaagttc tgctggagaa tgcaccacat    360

ttgaacctaa gaatcagctc caagataggg gccctgattt tgaagtcttt gtttgaggaa    420

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<210>        9240
<211>        593
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220101c08a1

<400>        9240
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4188

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accaaatgca actgtttacc ctctgaagat aagagaagga gagaagcctg tgatggagga    180

accaatcact tttgctgaaa tgtacaggag gaagatgagc aaggacattg agattgcaag    240

gatgaagaag ctggctaagg aaaagcattt gcaggacctt gagaatgaaa agcatttgca    300

agaacttgat cagaaggcaa aacttgaggc caagcctttg aaggagattc ttgcttaatt    360

aataataatt acatatgtat catttgcatg ccccttggt gtttttagta ttttttaagg    420

gccatgaatt aataatagtc cttacctttg tgcttttgta cgtcttatga tttatccttt    480

gtggggatat catgtgtngt gttcagtgcc tatgtcttat tagctagctt gctcatctat    540

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<223>       Clone ID: jC-gmfl02220101c08d1

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ccgagataga cagcacttac tgactgaaga acatagacct aatgcaatat aatatagcag    180

agttttataa accagaaagt agaacatcga taaaactata aaccgaacca tgaggaggaa    240

ggtagccttt ggaaaaaaga tgaaaaatat taacccccta gctaaagcag atagagcgaa    300

ggaggaggaa ggaactaaca agtgttggta aacctggcct tgtaacgggg cttggtgcag    360

taacggtggc taaagctggg gtaggtgtaa ccgttgctaa agctggggtt ggacttactg    420

gtggtagttg gctaagtgta agcgttggct gtagtggttg ttgcgatagg gtactaaaac    480

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<211>       350
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<223>   Clone ID: jC-gmfl02220101c09a1

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ggatcgaaca gttggacctt ttagccgaat gaagagaaaa tccagtaaag ccgaatagat   180

gttcccatac acatcattca tccccacctt tccctcttgt gatgtctcct actttgataa   240

tttttgtgca agtgaagaat ggaatgtagt ttttgaccca aatagcaagt catttgttca   300

ttagccaaca ttttgtataa aatatcttgg attcggggct tcctccttct   350

<210>   9243
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101c09d1

<400>   9243

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ggggggacaac caccaacttt taaaattaac agaggggaga taaaagcggc ctgaagcaat   120

aaagcatggc tgagggcccg taaaaatgat aggttaggtg gtatggctat aaaaaggagt   180

aaacgaccac atagtataac acccaaaccg ccccagcaag cagcgcgagc ccaatagtga   240

ggtcctggga tgccaggggt gtggtaggtc ctgaaaaccg ttaatgcggt cagttagaag   300

cgatagcgaa agcagtgcct gttaacagtg cgaccatctg aaaggagtag aaaatgtgcc   360

actaagtgtt ggtattggcg caactggcag gttaccaagg tggcccaaag tagcctgtca   420

cttcaaggtt cactggatcg atctcgctag ctcatcgtag actgtggtga gacgcgtatt   480

gaaaggtaag gtatgccttc gtcggggata at   512

<210>   9244
<211>   572
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101c10a1

<400>   9244

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ggaagcaatc acgagcttca ttcccaaaga agagtacttg gagggctaca caggttctac    60

aactaattca tgcagatatt tgttggtgtt ttcagggttt aaatacgctt taccagcaga   120

gtatggtata tggtttgcca acaatgaaaa caccaacaaa actgtgccag gacttcttgg   180

tagggaagca atcacgagct tcattcccaa agaagagtac ttggagggct acacaggttc   240

tacaactaat tcatgcagat atttgtggac caatcacacc tatctccaac agcaaaaaga   300

ggtatctgct cacctttatt gatgatttca gtagaaaaac ttggatttat ttcttgacag   360

aaaaatcaga agctcttcct gtctttaaga catttaaaat tcttggtgag aaagaagctg   420

actcattaat cagaagtttg cgcactgatc gtgggnggag agtttacatc acatgatttc   480

accaattttt gctgtganca tggtattcgt aggcaactga cagctgcata cacaccacaa   540

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<210>   9245
<211>   607
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220101c10d1

<400>   9245

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ttagttggcg gctaatttgc cgtgctacac tgttgtagta ccaccttctt ggggggggggg   60

ggggggaaa ccaaccaagg taggtttgcg gaggcaaaac taaatggcct gaagagagac   120

ttggatagta caagaaacaa aatgcaaaaa gaaaatgctg tatctagata gcatttatga   180

gggttgaaga agcgctgaca tagaggtaaa aatagaatgc tgttgaaaaa gagccaatta   240

gaactgtatg aataaagttg tttggaaatg caagctgaga gctaaggacg ggagagtaca   300

tgtgcaatat aggttgacgc attgctcgac tgggaacaaa cgagtaactg cacgccggg    360

ccgtagaaga gtacttatgg cggtggcgcg tttataagct agtagtggca gacggttcct   420

tgggcgaaca gtgtcaacca aagcgaagtc catcgtaaga gcgggataat cattagctag   480

tatgccaggt ggtcaaactg gaagactaca atgatgagta taatcaagga tacgactggc   540

cgtggctagg ggctataagc ggtttaatat ttggggtaat tagagcctgn cgatactata   600

gcagctg                                                             607
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4191

<210>   9246
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101c11a1

<400>   9246

gagagatcgc acggggggttg cccgggggtct cttcctcttg tgtggtgtgg tgtttgctgt   60

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ctctggatca gaggatacat cagaggattc gctccaaccc ctatcgagta aggtattatc   180

tgtcaattta cattcgaaag ggttaggcta ttgaatttta aataattaca gataaaataa   240

tcgatagctt tgattttaaa aattaatcat aatcatcggt taggttgcaa cataatactt   300

aattcgctta attttttaac tgcgcctcag agtattcata acatattcta ttaaattaat   360

aagctggtga tgtaattaat attaatatgt agttctggca atcttattgg cagaagatgc   420

taggtggagt tcatcaatat tctggtaggt ataatatctt catgaatcta aatataacgt   480

attcatagtg aaaataaatc   500

<210>   9247
<211>   236
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101c11d1

<400>   9247

ttgtttttttg ttttttttttt ttttttttttt ttttttttttt ttatttttttt tttttttgcgt   60

tttagagaga gattgatcat attccataag aagaagaaga cgaggctgtg cacatggaga   120

agatgagact cgggggtgatg aagcgcccag aggagacgga gtacgtgaag aaagtgtacg   180

ggggatagcc tggagaagtc gtgagaatgc tggccgaaga aggagagaca tgggac   236

<210>   9248
<211>   380
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101c12d1

<400>   9248

cagagaggag ttatgatggc tcggttgatc acagtggtgt ggtgcggggt catggtgcta   60

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gccgatgtgg aggcggaagt ggttcgcacg ataggcagt gccggcgcgc gctgaagttt   180

gctaggttca tgagcaggtt cgggaatagt taccgtatcg aggaatagat gagggagagg   240

tactagatat tctcgcagaa cctcaggatc atccgcttcc acaacaagaa ccgtttgccc   300

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actttgcgct gtccaaaatt   380

<210>   9249
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220101d01d1

<400>   9249

aaagcaagac ggacgtattg agattgcaat atgctcaatt gctcaccaac tgtgaacatg   60

aggctacaac tttccaatgt aagtttcacg tttctaattt gtccattgaa caactacatt   120

ctattcaaag ttttgtacaa tatgcaatga tttcacatcc ttcaaaaaag cttgggaatg   180

atcatgctgc atgcaaatga atagttacag gtttcacatt ttcatataag atcaccatat   240

tgtcctgtct accttaagta cagggaaaac caacaaatga gagagaatca tgatttcact   300

aacagaagaa gcaggagagt gtatgcccag caatggtata acagttctct ccagctgaca   360

caaccacagg gggccagcta cgtgtcctat gattataagt tataacagta gccctccctg   420

tctaccttan gtcatgctgc atgcanatga atattacaag ttcacaatta   470

<210>   9250
<211>   571
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101d02d1

<400>   9250

actgccagca atttgccgtc tacatgtgta gtagtgccgc cttcttgggg gggggggggg   60

4193

gggaaaagcg gaaggttgtt gtttttaaaa aagagacaga cctagggacg ggccgatagt 120

tgacgcggcg gttaagggca gactgataat gataaccacc tagagcaggc gaaaactgaa 180

aatcccaacg attaaaagat taaggcgttc gggagagtgc attagcataa cccaaataaa 240

tacaatacaa taattgccga ggggggtaag ttgaaaatta aataaaatac aataaaaga 300

tgcataatat aagagatata aaaggaatac aaatataaac acctgactaa taggagggta 360

gggccatacg aaggggtacc ataggtaaaa gaatagcaag cacagaacgg taactcgtcg 420

tccgccgggg ccgagtacta ctcataccta tcgtcgtact ccaactggtc ccaatcgtcg 480

tcctccgccg gggaccaaca ctagtcgtcg tccccgtatc ggcttccgtc caaggcgtca 540

gccactatcg ttggccgaaa cacccgggca c 571

<210>   9251
<211>   411
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101d03d1

<400>   9251

ctcctaggtt attgctttaa cctagctgcc cgtaagcacg tcctcctgct ggggggggg 60

ggggtttcgg gggaaagcaa atgctatgat atgggagaat aaaggcgtaa cagggagata 120

catggctcgg tggatatgag ccttctacct aatgttatgg cttaacctgg aagaaccgtt 180

agatggcggt agattgaaac attgattata tgcgggagaa agcattagca tagcccgcat 240

gttgccaagt cgtaggtgca ttagagctat gagttataat ttcatccagg ccaggaactg 300

gtgttaatag gcctggcaaa tatccaatgg gatacgccta ttaaggcccg gatgtgcatg 360

agctgcgggt gctcactatg gagtgcctag ctagccattt aggaagaatt c 411

<210>   9252
<211>   331
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101d04a1

<400>   9252

gatatatttc gtgtttggtg ttctaatttt tatttctctg gtttggcatt cttatttact 60

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gtgatattct gtttgttcta ttagtattac ttggttgttc atcctctgcc tttttaaagt   120

tcctgtattc tcccttttgc tttatcttgt ttattttga tagcgggaga aacatggtat   180

tttgagcact tctacagtcc tgctttgtgg atggttcttt ttagttcttc attggctcat   240

tatgtagccc tggagtttgt tgtaggttgg tgtaggttta agatgatgaa tttagtgctt   300

ctcatccctg ttggggctag cctatgtagt t                                 331
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<210>       9253
<211>       547
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220101d04d1

<400>       · 9253
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tttgccggca atttgccgct ctacatgtgt agtagtacca cctgctttgg gggggggggg   60

gggggggggg ggaacaaagg aaaagtgaga gggagagaga ggtatatata gaaagcaacg   120

ataggattac gcgagaaggt taacggtcat ggacgaataa aagtaccata aatgcgggtc   180

cccatcaaca aaatagtaaa gagagccctg ggggtattat gtgaactacc aaggttttag   240

gtaggaatct ggagtagtgg cctgtgggcg tacgggtgct acgggcagcc tagaaatgaa   300

ggcgcattta atgctccaca gccaccacaa taacgaagga gttgaaatta agtagagaaa   360

acgtaacaaa ggaaacgata cgtaactaaa gggtgggccc tatagagggt acaaacgaaa   420

tgaccacaac taaaagtgag caggtgcacg aaacaggggg actttgagag catgcagtta   480

cttgggtatt gctaatagag cggactataa aaataaagct agaagagacg taaactatta   540

gggaaat                                                            547
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<210>       9254
<211>       475
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220101d05a1

<400>       9254
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caatatattc cattctctct gtgtatttcc ctacctctcc cttcaagatg cagatcttcg   60
```

```
tcaagaccct caccggcaag accatcaccc ttgaggtgga aagctctgac accatcgaca    120

acgtcaaggc caagatccag gacaaggaag gaatcccccc ggaccagcaa cgtctcattt    180

tcgccggaaa gcaacttgag gacggccgta cccttgctga ctacaacatt cagaaggaga    240

gtactcttca cctcgtcctc cgtctccgtg gtggcatgca gatcttcgtt aagacactca    300

ccggcaagac cataacccta gaggttgaaa gctccgacac catcgataac gtcaaggcca    360

agatccagga caaggagggt atccccccgg accagcaacg tctcatcttc gccggaaagc    420

agctcgagga cgggcgcacc ctcgccgact acaacatnca gaaggaatca accct         475
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<210>   9255
<211>   590
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101d05d1

<400>   9255

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tcgcctagcg gtttacgtgc tacatgtgta ggagtaccac cttcttgggg gggggggggg     60

gaaaataata tcagagcata aggaagtagg gtagagggta tataggtaga ataaatcgac    120

cgcccagagg acacgatgag gaggaagccc atataaggca cggtaatata aattcaatgg    180

aggggtaacc cataggagga tacatttagg aaatagtaaa cggtggtaaa gcggggccca    240

atatagttaa taggatataa tcactggaaa attttttatc cacatccacc ataaccgcaa    300

cccggcaggt tggtgccagc ggcgacgtac tcaccgttg gttagttgtc actgctggct     360

tactaaaaag tacttgtgct gccgttccgc ccagcttggt tggcgttgca agtggccttg    420

gtataggcgt aagccgcgta cactgtgtta ttgtcacccg aagacgtgga tttcgaacac    480

gtggtatcaa aagtgctaga ttattatcaa catctaatat taacgccaca cggcatgttg    540

gtgccagcgg cgacgtacta acccgctcga tcgttgtcac tgctggtttc                590
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<210>   9256
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101d06a1

<400>   9256

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gaaaaagatg gaactggaac atgtgaccag cttgtcaaga agagatcatg aaagaccaaa    60

tcccttttt cgagtgagag cagttagctt gggtggttgg ttggttactg aaggttggat    120

caaaccttct ctcttcgatg gcattccaaa caaagactta ttggatggaa ctagtcttcg    180

gttcaagtct gtgtcaacag ggaaatatct atgtgccaag tctggagggg gaaatgtcct    240

acttgcgaac ggcacaggtg cttcaacggc ttgggaaaca attacattgt ggaggataaa    300

cgaagatact ttcagactaa gggtgttcaa caaacagttt gtggggttag atgggattaa    360

cgttgttgct gtttccgata ctcccatcca ttctgacacg tttcgaatag taaaagaaag    420

tgacagttca agtcgtgttc gaatcaaagc acccaatggg cactttatgc aggcaaagac    480

agaggagctg gtgattgctg atgtttccaa tgctaacgga tggggagatg a            531


<210>      9257
<211>      567
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101d06d1

<400>      9257

cagcttggcc ggccaatttg ccgtgctaca ctgttgcacg tccgccgtgc ttggggggg     60

ggggggggg ggaggggcaa ttcggggtat gaagcaaacc cgtgataatg ggcagagggt    120

gcttgggttc caacgcaaca atcggaaaca gtgagatcga cataggaagg agcagagtaa    180

gagtagaagg cagaggcaca aagaggaaaa ccctagaaga gcagaccaag acacccgcta    240

tatcctaaca ccaaggggg gaaaatggaa agcgacttag gtggcagtag ttaggttaaa    300

tgttaagcag gaggcatcgg tggcacgcgt taagaatatt atttaaagcg gctgtcttta    360

aaaatagtga aggtacttgg cataaagtgg cagaagttg ggggccgact tttggtaatt     420

ggttatgtac tacgttaggt atttatcaaa cgcacaccat tagtgatccg gcgaagagga    480

gttaatgcgc agcaatccat gggcgacagc aaagtaagcg gtgtggctct aggtagcgtg    540

gctaagagag tagaagacac agccacg                                       567


<210>      9258
<211>      466
<212>      DNA
<213>      Glycine max
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<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220101d07a1

<400>   9258

taaaaatatt cattcaagct gaccctgctt gagcctaaaa ggattttctt gtcaagagtc   60

aagtataatt tgaactagtc aattattatt ccaacttttg tatttgtgta atggagtctt   120

ctaactagct tgttgattta taattctttt tttacttatc tgcataatca aagtccaaat   180

atgtaagttt taaattattt ttttatttat tcttcataaa aaaattattt aatttttttc   240

cttaaaataa taatttattt aatttataaa aaaaatataa gctatattaa aatatttaaa   300

acttattaaa aaatataagt tctaaatatg caactccttt aaatatttag aagaaaaact   360

ttatgattca taatgatttt atttcactta aataaaagta tctcctataa aaaaatatat   420

ttgatctcta caaaaagata tttgattaat aattacantt aagaga   466

<210>   9259
<211>   442
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101d07d1

<400>   9259

ctgccgagca atttacttgc cgtgctacat gtgtgcactc ctgccttctt gggggggggg   60

ggggcgtttt gtgaggagaa atagctttga ttgtattttg agccacaagc agtgtaaaac   120

ttgtactaat agtggtataa gacacagact gttgtatagg acatttagtt ttagcaaggc   180

caacacgttg gttgggtagc cttaacacta acaatgggcc aagtaatggt gtaccaaatg   240

caggaccttt agaaataggc ggtttgtgtc gtcggagaat tcctaaatta gatcagtgat   300

tagatcttag cataactagg gtactattac tggggcgcct acaagagcca ggccgaccga   360

ataaggcaca acttgtagcc gggttaatta tactagttgt agtgcgtgta ttagaaattg   420

tagtacgctg tatagcaagc aa   442

<210>   9260
<211>   465
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations

4198

<223>   Clone ID: jC-gmf102220101d08a1

<400>   9260

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ggactagttc tagatcgcga tctagaacta gctgttctct tctcttctca tcattttat   60

tttttccaat caaaccaaac aaaacataag caccgctctt ttctctccga aatccccatc  120

tcccttcact tctgagctct ggacgagatc ccagatctca ccatctttca cgcactcttc  180

catcagattc accctttcgt ttaacgcaaa ctcataactt gaaggttaat ggctgctcca  240

ccggcaaggg ctcgtgccga ttacgattat ctcataaagc ttctcttgat cggtgacagc  300

ggtgttggga aaagttgcct ccttctgcgt ttctccgatg gttctttcac cactagtttc  360

atcacaacta taggcattga ttntaagata agaaccattg agctngatgg cnaacggatc  420

aagctccaaa tttgggatac tgcagggcaa gagcggtttc ggaca              465
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<210>   9261
<211>   569
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101d08d1

<400>   9261

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actagcttgc cggccaattt gccgtgctag catgtatgca gtaccacctt ctttgggggg   60

ggggggggga catagctaag tattataagt atagggacgg ggccagggaa gcgaatggcg  120

gaaaaaacgt acacatatga tggagtatat aaagggagaa acaagcataa ccggaactat  180

aaacgtacta gtagcagtag gagatatcga agggtggtgg gtggtggcgg tggcgataac  240

aagcggcttg ttaagggcga atagggcgtt gtaattataa taacttcagg gggcgctact  300

tgcgttactt ttgttgcatg ccgtggccag caggggcagg cggcagcctg tgcttggccg  360

cgtacgcgta cttacttggg cggggagagt gtggctgagg cacaacaaaa tggttgttat  420

cgggacaggg cgtgggctat gacgggtaaa caaggcagt ttagatgtag tacttacgct  480

ggcctttggc gatcgagcta tcccttgggg ctgggtagtt agagtactga gcggttttat  540

tacgaggggc ggaataggcg tgcaactag                                569
```

<210>   9262
<211>   549
<212>   DNA

4199

```
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220101d09a1

<400>      9262

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ggggtccctg gacagaacag gaggactaca aattggtgta ttttgttggc atgttcggag   120

atcgtagatg ggactttata gcaaaggtat caggtttgaa ggtggaggga gactgtaaat   180

aaaataggta tgaatatttg gacatgctaa gttatactat gaagcaccct ttaaccacct   240

cactttgttg taggtttgaa tagaacaggt aagagttgca gattacggtg ggttaattac   300

ctccaccccg atctcaaacg agggaagctc acaccccaag aacaacacct cgtcatggac   360

cttcattcca aatggggaaa taggtttgag aaccatgcag aaattaaact ataagctagc   420

tacctgctga tcatcactca tatttttaat tactctttc ctaccctata tatagnacta   480

ttaattagnt cttncgctta tttaattttt attatttgtg aaaatctaat acagcgctca   540

atcaatcaa                                                           549


<210>      9263
<211>      506
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101d09d1

<400>      9263

ttgccggcaa gtgacttacc gtcctacatg tgtagcagtg ccacctgctt ggggggggggg    60

gggggggacg aggggataga aggtagaata gcattatgtt ttaggccagg gggtgggaaa   120

cgaaaattat aaatataggc atagacatga tacgcatagg gcacagtcag gatactgcgc   180

gtatatgagc caccaccatt agcctcaaac tgtaaacaga tgagctgcga taccggaaca   240

tggaacttgg tggaggcgca tacagcctat atagaacaat aaaagaggca gaaggcaaaa   300

cacaaacaaa aaaaacaagt gttgaaggac ttccgtacaa aggtcggttt ggcggtagac   360

gcacaaaaag aggccgtatg gacgcgaccc aagaatagtg gcggatgggt ggtggtagtt   420

agtatttaca ccccggcaca acaaagcggc gatgcagttt agcagccgcc acaacctaga   480

agtagtaggc cgccaccata acacac                                        506
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4200

<210> 9264
<211> 473
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101d10a1

<400> 9264

taaagttaga ataatatttt cttcaattag cagaaaaaat ggctcagcac gaaatccgaa   60

ggggtccctg gacagaacat gaggactaca aattggtgta ttttgttggc atgttcggag   120

atcgtagatg ggactttata gcaaaggtat catagtttga aggtggaggg agactgtaaa   180

tgacataagt atgaatattt ggacatgcta agttatacta tgaagcaccc tttaaccacc   240

tcactttgtt gtaggtttga atagaacagg tttgagtcgc agattacgga gggttaatta   300

cctacacccc gatctcatac gagggaagct cacaccccaa gaacgacacc tcgatatgga   360

ccttcattcc atatggggaa ataggtttga gaaccatgca taaatgtagc tataagctcg   420

ctgcctgctg atcatcactc atatatggaa ttgctctttt cctacactat ata   473

<210> 9265
<211> 493
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101d10d1

<400> 9265

atatcccggc cgatttgccg ctgctacatg catgtgagca gtgccacctt gcttgggggg   60

ggggggggg gacgagggga tagaaggtag aatagcatta tgttttaggc caggggtgg   120

gaaacgaaaa ttataaatat aggcatagac atgatacgca tagggcacag tcaggatact   180

gcgcgtatat gagccaccac cattagcctc aaactgtaaa cagatgagct gcgataccgg   240

aacatggaac ttggtggagg cgcatacagc ctatatagaa caataaaaga ggcagaaggc   300

aaaacacaaa caaaaaaaac aagtgttgaa ggacttccgt acaaaggtcg gtttggctgt   360

agacgcacaa aaagaggccg tatggacgcg acccaagaat agtggcagat gggtggtggt   420

agctagtatt tacaacccgg cacaacaaag cggcgatgca gtttagcagc cgccacaacc   480

tagaagtagt agg   493

<210> 9266
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220101d11a1

<400> 9266

aagaaagcct tggagttcat tgcaaaaggc tggaatgctt tgaaggaggt tgatagagtc   60

atcgattatt ccgatcccaa gcattcgggc attgtttctc ttctcaggct aaggagaatt   120

tcgagcttgc tttggaagct gataatacca atacccatgc taggtattgg ttgtccagat   180

tgcatatgaa ataccctgtt ccaggagcta ataaagctgt aggggcagca ttattggtag   240

aagcagcaga aatgggtgat cctgaggcac agtatgcatt gggttgtcat ctaagagttg   300

aggtgagggt actctaaccc ttatttatgt acatatagcc aactttgcaa actgagttta   360

tgattgtaat aattcgttga tgcctccttg aatcactctn tgcagattta agattctgat   420

tgttctttgt ggttaataaa tgagatatta ccttggngag agcgatggta ggctaaagtg   480

cagaanaaat ggcctggctg tgatcttctg tattca   516

<210> 9267
<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101d11d1

<400> 9267

acaatgacaa aaatcctcac ctttatttat tgttttttcac cgatgattaa aatccacaat   60

tcagacaagc taaatcatat gattcagatc ggattctgct acgaaaaaaa aaagaacgaa   120

acaaaaagca cactacactt ctcaatttca tctcaatgtt ccccccgtgag tgcccgtttc   180

tcttcctcct ctaaccttgc aagccatttg aatccaagct cacaccctgc ttttgccgct   240

atctgaaact tttctcttgc catctctact ggatcaattg caagagctcc cttattcctg   300

ccccgtctat gagctgcagc acctctcgtc aaactgaact ttattaccga ttctggaacc   360

tcaacacctt taagaagaag agatccatat gctatagcag ccccagcatg gcccttttct   420

```
gatgctctgt ggaaacacca cagtgcagaa gcaatatctt tcctgacaca gtcgcctgtc    480

aaatatacag cacccaaaag gcaaagagca cctggatgca actggtccac a              531


<210>      9268
<211>      435
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220101d12a1

<400>      9268

ggatgacgga agtccagtgg ggtctccaat gattccatct atgcccgcaa gcccaactcc     60

actttctact gctgccagct caagtgaaag aaatatttct gatgagagta atgatagggc    120

aagccgagta gttcgctccc tctttaagga aacaaacact tcccctggag agtctagctt    180

ctctgcaccc agaaccagtt cagatagtca gcttggcaca tcctctgaga agttgctagc    240

agagaatgaa gttcttgtaa atgaatttct tcacgagcat cactatagtg ttactgatga    300

atttgatgtc tctgatcaca ttcaaaacag tggtgaggtt agtacctatg gtatacatgg    360

tagcattgaa taatggctaa tttggatacc agcttgttng atgctctttc tggccttgat    420

gtgatctgtc atata                                                     435


<210>      9269
<211>      573
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220101d12d1

<400>      9269

gaaaagttcc aagatccaat catatattag caattcaatg ttaaggttta ggcacctata     60

tacatttctg tttgttacat caaaagaatt ctacaaacaa tgtcacttct ctacaaacct    120

aagatacaca gcttacaatt ttacacactc ctatgtacaa atgtgtgtat ttattattat    180

tattattatt attattacgc atgtacgtag caaatatatc acaggttatc agtcaaatgt    240

ttataccaag gtccatgaac actaactgaa atagtggctg ccacaatcaa aacaccagca    300

gtttccacta ccttatcagt cagaatacca gccccaactt tcatgagagc catttctgct    360
```

```
aatttcctcc cacggatccc acttccacca agcacaacgc cgcgcaaagc tgaatagaca   420

gcattaaaca ccctctcgaa aacaacatcc ncagcttgta agctctttcc tagcatacta   480

gcagcaacta ccttccttga ctcaagtttc cccgtatctt caacttcaac tgtgggaaaa   540

tngcagagca cttctacaat gcttcaatat cag                                573


<210>      9270
<211>      477
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101e01d1

<400>      9270

tagttgccgg gaatttacct gctacatcgt tggagtgccg ccttcttggg ggggggggg    60

ggggggggg ggggggggag atcacggcgt cagaggagaa agcgcgaagc tacaggtaac    120

cgcaagctag ttaacaggac actagaaaac ctcacatggt gtaaccctca aagtgcctgc    180

gttaccataa atgggggaac ggctttttg actcgattgg agggactgga tgccttaaaa     240

gtattaaccc cgcttggctt tgccttactt gtaaacggca aaagtactag acttaataga    300

ctaagttgac tagctggaag tgcacttaag ggtacgtgtg tgactggcgt gctagttcca    360

agcgaaatct tagttggcag actgttacta aagtttaaac ccgtaaacaa ggggttggta    420

cccgacttgg cggtattacg tcacggctta aacggtgtac tacgggggca ttagcca       477


<210>      9271
<211>      553
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101e02d1

<400>      9271

cagcttgccg gccgatttgc cgctctacac tgttgcagtg ccgcctgctt ggggggggg     60

ggggggggg gcagcaatga acaaggctag gtaggaacat tagataagat aagtaaaaag     120

tagcgaaaag gtacggaaaa caacaagcag tacacgaata aaagaattta cgaataatgc     180

acgcgcgatc cgatacgata ctgttgtgac gcaaacgcat aggggcacgc acaataacag     240

taaaggggg tgagtttcta taagataggg agtacaaggc taaaataaag atatacaaat     300
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gaaatagata tatacgaggt tacgaggcat atagtgtgaa tacgacagct acgactgact 360

aaccgcaggc aacaattgca gagggacgga gagacttaca ggctggtaaa ctgtaaaggt 420

ggtagtttga actctaagtg tcctacttgt ggtggttgtg tcgtcacta taaacgatgt 480

aggtggtggt ataccttgaa atagagacaa tagcataata gaaaatctca catgactact 540

tgttgtcctc aca 553

<210>   9272
<211>   490
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101e04a1

<400>   9272

gttggcagct tcactaactt tggcagctgc tagaaggata gttgaggcag atgagttcat 60

gagagcagga ttatatgatg gatggctacc tcatctattt gttggaaact tgctcaaggg 120

gcaaacagtt ggtgtaattg gagctggtcg aattggatct gcttatgcaa gaatgatggt 180

tgaagggttc aagatgaacc taatttatta tgatctctac cagtccacac gactagaaaa 240

gtttgtcaca gcctatgccg cattcttgaa agcaaatggt gaaaccccag tgacttggaa 300

aagggcagca accatggatg aggtcctcca ggaggcagat ataattagtc ttcatcctgt 360

cttggataaa accacttatc atctagtcaa caaggaaaga ctagctcaga tgaagaagga 420

agcaattctt ataaattgca gtagagggcc tgttattgat gaagctgcac tcgtggagca 480

tntaaacata 490

<210>   9273
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e04d1

<400>   9273

atcttggccg accaatttac cgtgctacat gtgtagcagt accacctact tgggggggg 60

gggggggggg acccatagaa ccaagaatgg tagggagcgg gaaggaagcg ggcaaagatg 120

ataaatatat cagctggagg aatagtatac gtgggagagc tatacgctta gtcatatgtg 180

atagacgata gatataaaaa acaatacatg acttttacac ttgaatttaa tatataaaaa   240

ggccttaggg cgctaagggc acctttggca attagcgcgc gggagactgg gcaacggcct   300

aaatttaccc tggggctagg aataagctgg ccctagctac tgccgccgtc actaggtgta   360

ggcaccaagc cggttattgg aggcctagta aattaaatgc ccgatttggg aattggtttt   420

actatcggga cactgctgac gcgacttagg tttgtatcac gttatggcca actacagcta   480

agcgccccga ttataagcct aggtggtaat gt   512

<210>   9274
<211>   498
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101e05a1

<400>   9274

gagacatggt tttcagatcc agatgtctgt agggaattag agttgtggta cacactttca   60

aagactttgg ctgaggatgc tgcctggaaa tttgtaaatg aaaacagcat tgacatgatt   120

tctattaacc caactatggt ggcaggacct ctcttacaac cagagattaa tgaaagtgtt   180

gagccaattt taaacctaat aaatggtaaa ccatttccaa ataaatcttt tggatgggtc   240

gatgtgaaag atgttgctaa tgctcatatt ctggcctatg aaattgcttc agctagtgga   300

agatattgtt tggttgagag agtcatacac tactctgaac ttgctacgat tntacgtggt   360

ctgtacccca cattacaaat tccagataag tgtgaggtag atgagccgta tattccaaca   420

taccagattt ccacagaaaa ggcaaaaaag gacttgggaa tagagtttac tcctttggga   480

gtgagtctca nggagact   498

<210>   9275
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e05d1

<400>   9275

atcttgccaa cagatttacc gctactacac gtgtagcact accaccttct tgggggggggg   60

4206

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ggggggggggg ggggggggggg ggggggggggg ggggggggggg ggggggggggg ggggggggggg    120

ggggggggggg ggggggggggg ttttcaaaag gcctttcccc aaaaggataa gaaaaacccc    180

ataaacctgg aaggcttttt aacaccgtac caaaggggga ttttagggat ttgggaaagg    240

gtcccttggg aaaaaaaaag cccaattccc ccccaaattt aaggggggat tccccaaaac    300

gtttggggca accttctttg ggggtagcct tttaaagcca atcccccccca aaatattctt    360

tggggggggg ggcccaaaaa ttttcccgga aaccccctaaa agggggggggt ttaaaaccgg    420

gttaaacggg tttccaaatg tagggttaac ccccccaaatg ggggtttaa acttgggggc    480

ctttgggtcc cccaaaatcc cctgccccccc aa    512


<210>      9276
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101e06a1

<400>      9276

gagacatggt tttcagatcc agatgtctgt agggaattag agttgcggta cacactgtca    60

gagactttgg ctgaggatgc tgcctggaaa tgtgaaaatg aaaacagcat tgacatgatt    120

tctattaacc caactatggt ggcaggacct ctcttacaac cagagattaa tgaatgtgtt    180

gagccaattt taaacctaat aaatggtaaa ccatttccaa atgaatcttt tggatgggtc    240

gatgggaaag atgttgctaa tgctcatatt ctggcctatg aaattgctcc agctagcgga    300

agatattggt tggttgagag agtcatacac tactctgaac ttgctacgat tgtacgtggt    360

ctgtacccca cattacaaat tgcagataag tgtgaggtag atgagccgta tattccaaca    420

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gtgagtctca cggagact    498


<210>      9277
<211>      374
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101e06d1

<400>      9277
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4207

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agacttgacc agtcaattta ccgtgctgca tgtgtgtacg tccaccttct ttggggggg    60

gggggggag gggggggcg ggctagtgcg ggggggggct gggggggta gggaggaggg      120

tgaaggacgg gcgggttaag aataaagaaa ggggatccgg taccaaggcc catacatcct   180

agcacagggg aattaaagat gtgactgtag cgcaagaata aagcttgggg agaaacatat   240

gtgggaaaac acaccaatat ttcgatttta catgagagac tacgtctaga atagtagcag   300

agttcaaatg gtgttgaacg tagatgcgca ctactggttg gactaacaac tggtgatggg   360

ctgtgccagt gttt                                                    374
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<210>   9278
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e07a1

<400>   9278

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tctatttgca tctcataaca gagagctgag aaaggaagaa aaaagcgtgt gtcagagata   60

cttaacaatg gttgtagaag atacccaaaa gtcagtcatc acggaggacc aataccctag   120

cagggtcgtc agcgacaaca acaacgacga cgacgacgat gatctcgaag agggtgagat   180

ccccgtcgac ggcgaagata gcggcgccac cgccacaacg aagcctccgg ccgccctcgc   240

ccgaaacccc caccctctgg agaattcctg gaccttctgg ttcgacaacc cttcctccaa   300

gtccaaacaa gccgcatggg gcagctccat ccgacccatc tacactttcg ccaccgttga   360

agagttttgg agcatttaca ataacattca ccacccgagc aagttgggtt tggggcggga   420

ctttcactgc ttcaagcaca agattgagcc aaagtgggag gaccctatct gcgccat      477
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<210>   9279
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e07d1

<400>   9279

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ttgccaggag atttgccgta ctacctacat gtgtgcagta cctccttctt ggggggggg    60

gggggggagc aggcatataa atcttggtaa atcctaaata aggggtagg aacaaaatag     120
```

```
tggggtcagg gtagggcttg gagaataaat aaatggcgca gtaaccaggt gtttgggaga   180

gttaagttac gtaaagagtt gttagttata ataaagagct aacgatgata aacagcccct   240

taaaaccctg atcaaggtac tgaactgata gcgaacacac caaacattac ctagtaaaag   300

ctcatggtag ctaaccaagc gatgcttggt tggtagggct gatttacgga aaaatctgag   360

atatggtaga taatcgaggg agggggacta ttgtgcgtta ctggtgggct agttgtagca   420

aagagaaact taaggcgcgt aggcgaagta acaaat                             456
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<210>   9280
<211>   403
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e09a1

<400>   9280

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agttcgacat cggaaaatgt gaggattttg tctgggtgac aaaggatgaa ttgacggagt   60

attttcccga gcaagccgag tttttaaata agatgatcat tagctgatga aagtggagaa   120

cagttgttta attgaaattt ttgccagtta gttcctagaa tgacagtgga gggccttgca   180

agaagatcaa tgtaagataa agtttctggg cacattggaa gatttcgatt taaagttaaa   240

cgtgacatct ctagttttgg agacttgtcc gagttaatgg atgctggaag cttttttgt   300

ttaaaaacgt attttgttgt ttcttttaat ttgccatagc tcttcttgta gctgtactgt   360

aataaataag ttgcaatggt gattatgacg atttgaatat gtt                    403
```

<210>   9281
<211>   545
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101e09d1

<400>   9281

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cggtgatcac aaacgctatt ttttgtgcac ctcgtgtgna gtacctcctc tttggggggg   60

ggggggggg gggattgagg taaagtcgta gaagtattag ctaatggag ggaggatacg    120

ataatgataa caacactgag cctaaaggaa acaaataat aaaagatcgg gggaaataaa    180

aaacttggtt actagttagg aatgtccata acgtgttaaa atgacacagc gtatcgggaa   240
```

tgggaaagtc aaagtggtta agcgctttac aaatgggagt ggataggcag tggtggctaa   300

cctttgttat gcgtaggtga ccaatgaatg cctaaaaagg gtaaggaaat aatgcggtgt   360

tatgggtagt actgaagcag tagtggaggg aaaaatgtcc tggctgtccc aaaagatgtt   420

cgtaaggtag ttgggcgtat ttacataaaa gttgtatagg ggttcagcgt caatgtgtca   480

cttcaaggtt cactggatcg atctcgctag ctcatcgtag actgtggtga gacgcgtatt   540

gaaag   545

<210>   9282
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e10a1

<400>   9282

agccacatga atccttcata cgacgattca tgaggcacgc ccacatctgc taataattct   60

ccatgcacct ctccaccaat tcctaatatt ttttttcatt gccgcacaca acattcataa   120

gttggggcca tattttatta aacaatatct tcacatgcta ctacaatatc atcactctct   180

caactctgca taccacaacc cacaaaaaca ctcagacatt aacacatcca tcaccagcta   240

ccaaagccaa cgccccaatc ataattatat aacacatccc gatgcctata ttgcatacca   300

atcccccacc attggcccca cactagaggc ttaccaacaa aactgaatac ctgaccaacg   360

tattgtactg cacatgacat ggcttcttgt atagatctaa actttactca tgatatcagc   420

cttcaactta tctttt   436

<210>   9283
<211>   313
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101e12a1

<400>   9283

ctctctgtct tcttgttcct cgtaaacggg gaaaaagggg gaaatctttc tttggggggg   60

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ttggagtgaa acaacttaca gtgtgtgacg cgaccccgtg ttacatcaga cagaaaagag   180

```
acttacactc ggccccaact aatccaacgg cggyagcata caaagaactg gaagaacatc    240

ttctccaagt ccttctcaag cttgtggaag ctgcttggcc agcggtggag cacctctcac    300

ctctacaaca ggc                                                       313


<210>      9284
<211>      550
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101e12d1

<400>      9284

agcatcgcct ttctgcgact cgtcaactat acaatagcta tgacagtcgc ctacgctcag     60

tacgtcagct gccgatcttg cttcgagatc ccctcacttt tgccgtgtca tctatatcac    120

attgccactc aaggggattt tggagtattg gtgcaccatt catcttacta catcttaata    180

ttacgcataa ctcgaactct ccatacctta aattttaact accagctagg tccgacacag    240

actaagcaat ggcaacgacc gagttagagg tgactgttga gagcaagaac aaagacctca    300

agcacctggg gtttgtgagg attgctgcta ttcaaacatt tgtgattgtg tcaaatctgt    360

atgagttcgc aaagcagaat tctgggcctt tgagatccgt cgtatgaacg gctgagaaca    420

ctgtaaccac cattctcggt cctgtctgca acacattcaa ggacgtccct gatgatgttc    480

ctgtttttgt tgacacaagg tggatgaagc gttccacaag ttcaatgagc acgctccttc    540

ttttgcttaa                                                           550


<210>      9285
<211>      512
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101f01d1

<400>      9285

catagactgg caattgaccg ctactacata catgtgagca cgtctgcttg gggggggggg     60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gtttgcaaca    120

aacaacaaaa taattgggta attggggatg cccaataaga tttagaatat gggataaaaa    180

ggccctgggg gaagttttgg gaccagttaa taagcccttt agcagcaccc ctgtaggggg    240
```

```
ttaatgtaca ccaagagggg accttggata atagcccgca aaaagaccta gatgccccag    300

ctacgtaatg aaaacactgc attccctaat tgtttgcagt aacgaggccc gcccttaggg    360

aacccccaga cggaatcatg caaaaactta ccgttactgt cacaaacaac tgttgggtta    420

ctagttggat ttagtgggag tagagtggtc aaactagggc aattaaggtg gcaacgggtc    480

atatctcccg gttagtaccc caactaatga ag                                  512
```

<210>   9286
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f02d1

<400>   9286

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tagttgccag gaagggactt gccgtactac actgagtccg cctgcttggg gggggggggg     60

gggcaaaaat aaagaactgg atcgtatatg taaggtagtg gaaaataaca tgataacaat    120

aaatacaagc atggcctaag ttagccgcgg tattagaggt attaagcgct atagccacta    180

gatggaggga gcagaacgga ggaggagcct gacaaaatac agacaaaaac ataaatggaa    240

ctagaattat tggaggaatg attagctagt ataggaagta gctagcacgg aatgtagccg    300

ctactgccgc tgccaatatg gttattatgc ttcccaagcc caattgtaga attacccggg    360

cccataaaac gcgtagtatt attaccaata gaatgctgat tgccgccgca gttgcagttg    420

cggctccagt tgctgttgtt agggttaggc ttattaacga agccaggggc accgcgcaca    480

gcaaagggag cg                                                        492
```

<210>   9287
<211>   523
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f03d1

<400>   9287

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gctgccagca atttgccgct ctacatgtgt agtagtgcca ccttcttggg gggggggggg     60

gggggggggg gggggggggg gggcaaacca agataaaga ggagggaaat taaaaagaca    120

caaggacggt gaggtggcca agaagataga taaagtaagg gataatccta agctgcacaa    180
```

```
caggaggcac ctaaagcaat gctagagagg tgaagataag ctataacacg atcagaccag    240

ggtgatacaa attttcggca gcggggacaa taaatcgact gagaggccaa agacaagccc    300

agaatcggtg aacgataaga aggggagacc atatccttaa agtagtggag ccacggcaaa    360

ggcgaccaag gcgaggccca aggccaaaag cgacaacatt cgctgggagt acagggcccg    420

caacgggacc aagaccgggg tgcaacaaac gtgtgcctgg aaaaaagcat gggcctggaa    480

cccagaccgg gaataaggcc aaagccggga acgagcgccg gaa                      523
```

<210>   9288
<211>   402
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f04a1

<400>   9288

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agccagtgca acgcagagct attacgtcgc atgccccccc tcagcaggga ataattctgg     60

tggaggacat gtgaatacct aggcttattt gaaacgagct gcccttggtg atatacacgg    120

gtggggcgat ttatgactac acaacctcgt tccaaacttg agccagagc atttacatag     180

ccattatgga tcgaacaggt ggacctctca ggcgaatgaa gagaaaaact ctggcagccg    240

tattgatgat tgcatacaca tcagtcatcc ccacctttgc ctattgcggt gtctgctacc    300

ctgataattc ttgtgcgagg gaagaatgga atggtgctga tgaccccctat agccagccct    360

ttgttgatgt acctgctctc cttataagat aacttgggta tg                      402
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<210>   9289
<211>   345
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f05a1

<400>   9289

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aaaggctctc tctagtctct tgttcagatc tcacctatgc cacaattttc actcagtggt     60

agcctctcaa aacgaatatt ctttgcttaa attttcataa tatttttata gaatcactat    120

cttttcttt ctccaaccgc cactgcatcc gatgctgttt ccctcatcat cttgacggca    180

attttgctgg ttcctcacca aaagttcaag acttcaagaa atggatcaac aagttgagag    240
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gcagaagcgt agcaaggaga tgaagaggaa gagtagtagt caagtgaaca agcgcacaag    300

ttaatgatat gttgtcgttg cccctgtcgt gcagcaacgt gcatg                    345


<210>     9290
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<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220101f05d1

<400>     9290

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agcgaaactg agcgatgacg aggatgagta ttacaccaaa cagaatacaa ttaaacgcac    180

aatgcaatta gggaggtagt tggtgtaaaa gggttgaaag tttgttagaa caagctggca    240

cgtgaggaat taggggccgg ccgcgtatta agtaaacgct ggctaagcag ccgcctcagc    300

gtgagcggta gttaacttta actatgctat aatacccgaa tagcgcataa atagctattg    360

cttgagattg tccaatagct atcggctgct atcataacccc taatcataat agagtaggaa   420

tggcggctct ggcggtatgg gatgatgatg tggttgtggt agtgttggct gatctggtgc    480

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<210>     9291
<211>     519
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220101f06a1

<400>     9291

gagcaactag agaatgttcg tgtctccgaa gttcaaagtt cgatcaaaga gctcttcaat    60

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ttttctcaat tgacatacaa catggttctt cgaatggtcg tcggaaagcg acttttcggt    180

gctagaacta tggatgatga gaaagctcag agatgtgtga aggctgtgaa ggagttcatg    240

cgtctgatgg gggtgttcac ggtggcagat gctattcctt tcttgagatg gtttgatttt    300
```

ggtggctatg agaaggccat gaaggaaact gccaaggatt tggatgagat ttttggtgag   360

tggttagagg agcacaaaca aaataggget tttggtgaga acaacgttga tggaattcaa   420

gacttcgtgg acgtcatgct ntccttgttt gatggaaaaa caatttatgg catagatgcg   480

gataccatca tcaaatccaa tttacttgac ataatttca   519

<210>   9292
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f06d1

<400>   9292

atgcttgacc ggccaatta ccgtgctaca tgtgagcacg tcctccttct tggggggggg   60

ggggggccga gaagaggaga taggcagagg gacgcgttag ccggtgtata aggatcacgg   120

atagacaatg ggtatcaaaa aaaaaaccca aggatacaaa gtaataaac ttggaaattg   180

gaggataata tcatggagga taatattata gccgcataag gggcgcaagg gtaaaaagct   240

ttggggcatc aaaagagaag ggagtaccta aattgcaggg agtgaaaaca acagtataga   300

cgggaataag ccatgggtta taaagtctga acataacagg tatagctggg gagaaagaat   360

aatgacaaca gaagtcgcct ggaaggaaaa gtgtaacgcc acgactggga cgtggcctga   420

agttaaaccg ggtacgtaga gtaagaccgg gaggcagcc agggaacaag caaaaacaag   480

caaaaacatg cctaacaagt aaagcaatta gggcaacct   519

<210>   9293
<211>   443
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f07a1

<400>   9293

tgacaattga taatggtgtt tttgaggttc ttgctacaaa tggagatact catcttggag   60

gtgaggactt tgatcagaga ataatggagt acttcattaa attgatcaag aaaaagcatg   120

gaaaggatat tagcaaggac agtagagcac ttggcaagct gaggagagag gctgagcgtg   180

caaagagagc tctcagcagc cagcaccagg tccgtgtgga aattgaatca cttttttgatg   240

4215

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gtgttgattt ttctgagcca ctcacccgag ctcggtttga ggagttgaac aatgacttgt     300

tccggaagac catgggtcca gtgaagaagg ctatggaaga tgctggatta cagaagagtc     360

agattgatga gattgttctt gttggtggaa gcacaaggat tccaaaggta caacaacttt     420

tgaaggacta ctttgatgga aag                                            443
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<210>        9294
<211>        473
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220101f07d1

<400>        9294
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aatgcttgac cggtagattt gccgtgctac actgttgcac gtccgccttc attggggggg      60

ggggggggg gggggggggc atctaaccgc acgccgaaaa tgacttaatt aaaaataaag     120

gtaactaggg agtggggaaa cgaggggtcc tattaaaaag ataacactgc cccaactggg     180

gtgtaatggt tattgcggag aaaaatggga acatgttctg gaaatgatat gatgctgtag     240

taggtaggct gatctaacaa tagtgtgaca ctgtcgtagc acaagtatta gttgttgtct     300

tgcagctatt attattgccc ctgttattgc agtgtgcaga gatactatgc agcaggcccg     360

gctaaatact ggctattgtg ggcactggtg ttgtagaggt ggtgggtgtt atatgtgccg     420

gcatagttag ttaggttaag ctggtgggga tgctacgtgt aaggggtgtt ggg          473
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<210>        9295
<211>        487
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220101f08a1

<400>        9295
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cgttctaaca attctcattc aagtttcacc tttcgccgga aaaagaaaaa ctcatcgcca      60

acgctgaacc tctccgtttc tcctcctccg tcgaccgctc cgccagcttt ccccagcgga     120

actccgtccg cgccgtcgcg gaggaggcgg tggagacacg gcggccggca gccagcctct     180

acgatgtgtt gcgagtcgag cgagacgcat ctccgacgga gatcaagtcg gcgtaccgga     240

gcctcgcgaa gctcttacat cccgacgcgg cggtgcggcg ttcgccagag acagacggag     300
```

                                      4216

gcggcggtta cgtcgacgga gacttcattc agctccgaaa cgcgtacgag acgctgtcgg   360

atccgtcggc gaaggcgata tacgatatga cgctggcggc gccgcacggc ggaagacacc   420

gccggttttc tactccactt attcggaacc actcgtcggc gtttacacaa cgcgaagggg   480

gaaacag   487

<210>   9296
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f08d1

<400>   9296

aagcttgccg gcaatttgcc gtgctacatg tgtgcagtac caccttcttg ggggggggggg 60

gggggggggg gggggtgta aggccgctag gagaggacaa gcgcgtaggg gtccgggcat   120

aactggggaa tgataagtaa aatatatata tagtcggacg tagtggcgaa cgctcgcaaa   180

agcggcctag tatcatatgt gtagcacggg gttaacaaca ggaaggaaga cacaaatatg   240

ggctgggatg cggggggctag acgaatgggg ctatagacgg tgtattcagg tccacaggtt 300

gtgggtggcg gaataaagtt ataagggggt gggcggaagg tttcaactaa gcggaaggtt 360

gtgattacta ggccgtgcgg gtttattggt ctcggcgcga aaatcttcat cacgccggtt 420

caagaacgcc acgacaaaat tcctccgcgt ggttcttcgc tcctcttctt actcgtagag 480

tcgagagtct tggtcttcat ccagttcata ctcgtgtcga tctcgggtcc   530

<210>   9297
<211>   516
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101f09a1

<400>   9297

atcatagttg acattgatgg agttgcaaga tttgccagaa ggatgcattg caaaaatact   60

gtcatacacc actcctgtgg atgtatgcag gctctcctta gtttccaaag cctttcgttc   120

tgcagctgaa tcagacactg tgtgggattg ttttctcctt tccgatttca cctctatcat   180

tcctatttcc tctacctcta agaaggatct ctatttcact ctctcagacc atcccaccat   240

4217

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catccaccag ggtagaaaaa gtgttcaatt ggacaaaagg accggaaaga agtgttgcat    300

gctttccgct agaaatctga ccattatatg gggtgatact gttcaacatt gggagtggac    360

aagcctgcca gagtccaggt tccaagaagt tgctatgctt caggctgtgt gctggtttga    420

cattagtggg agcataaata ctcttacctt gtcctcaaat actcattatg caactnttct    480

tgtgttcaag atgatcaatg ccagtggatt tcacta                              516


<210>      9298
<211>      581
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101f09d1

<400>      9298

tacctgccgg ccgatttgcc gtgctacacg tgtagcactg ccgccttctt gggggggggg     60

ggggggagag acaaggggac aaggaggggg gggagcaaa gcacatgaaa gggagagcaa    120

cataagaatg aaggggaaga ggagggtgac gggtatgtac tatgtgacta aacatttggt    180

tagtagcagg tagcccgacc ttgaacaatg gcgggtatag agtacatagc gggaccttga    240

agggtgaggt tggtaacaag caaattatat ggttacagag catggcggcg tgttagcatg    300

ggtagggcta ttgcgggggt ggtggcctta caaggcaaca atgtgtttag tgtaagtgtt    360

aattatttag tatggtgtat gggaccaaag gcgaaggtgg cgaactcagc aggcttgggg    420

aacggcccag ttaaataaat agagggacga ggctgaggct tgctgaaaat attgatgcag    480

aatatgcgac cagccgacgc aaagttatgc ctaggcagta gtggcaatat aacaaaacgg    540

ctagaagcac gagggcacca tacccgacac gagggagct g                          581


<210>      9299
<211>      454
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220101f10a1

<400>      9299

tggacgctgg cggaaagatc aagaagggcg ccggaggtag aaagggcggc ggcccaaaga     60
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4218

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agaagccggt ttcaaggtcc gtcaaagccg gtctccaatt ccccgtcgga agaattggcc   120

gttatttgaa gaaaggaagg tacgctcagc gtgtcggtac cggtgctccc gtatacttgg   180

ctgcagttct cgaataccta gctgccgagg tgcttgagtt ggctgggaat gccgcacgtg   240

acaacaagaa gaacaggatt attccaagac acgtgctttt ggcagtgagg aacgatgaag   300

agttggggaa attgcttgct ggagtgacaa ttgcacatgg tggcgtgctt ccaaacatca   360

accctgtttt gttgcctaag aagactgaga gggcttncaa ggaacctaaa tctccatcca   420

aggctaccaa atctcctaag aaagcttaga ttac                              454
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<210>   9300
<211>   424
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f10d1

<400>   9300

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gattgaaaac aagggggttt ccacttttca ttaacgaagc aaacttactc ctacaagcaa   60

caaattggga caagaattac agggttttcg aaacccataa aatatcctgt tacaccaaaa   120

gcacctaaac accgatttac aacactaaat taaatatgga aaataaaaaa gtaatctaag   180

ctttcttagg agatttggta gccttggatg gagatttagg ttccttggaa gccctttcag   240

tcttcttagg caacaaaaca gggttgatgt ttggaagcac gccaccatgt gcaattgtca   300

ctccagcaag caatttcccc aactttttcat cgttcctcac tgccaaaagc acgtgtcttg   360

gaataatcct gttcttcttg ttgtcacgtg cggcattccc agccaactca agcacctcgg   420

cagc                                                              424
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<210>   9301
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101f11a1

<400>   9301

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ctcattcaat aaaagaagcc tgcatgctat tggaagtaca cctaaccctt acgagaaggc   60

catctctatt attggcaaga cattggctcc ctttgatgat gataacttga ttccatgttt   120
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4219

tggatttggt gatgctacta cccatgatca agaagtgttt agctttcaca gtgatcattc   180

accttgccat ggctttgagg aagttttggc ctgctaccag aaaatagttc caaacttgaa   240

actttcagga ccaacttctt atgccccggt gattgaggct gctatagaca ttgtggagaa   300

aaatcgtggc caattccatg tgttggttat agttgctgat ggccaggtta caagaagtgt   360

cgacacaagt gatggagaac tcagtcctca agaagaaaaa acaattaaag cagtagttga   420

tgcaagcgca tatccgcttg cgatagttct ggttggagtt ggtgacgggc cttgngaaga   480

catgagaaaa tttgatgaca agata   505

<210>   9302
<211>   409
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101f11d1

<400>   9302

gcagagcaaa aatttgatta gagaccgtaa atatatgaaa cattatgggc agggatatag   60

gaatatacaa cttgaaacgc attgacacga accatgcata catgtagaaa ccttggacaa   120

ttcatgtcca tttttaaata cacttgaaac atcccaaaca gagacaagct atcattttca   180

gacttttaac cccaccatat ataaacccta ttgagaaagg cctgttatgc aaactatgta   240

atcaatgtgc atggatttga ttgcaatcac cccctatgca ccctgagacg actagggatc   300

caatttcggc acatgggaca accagttaat tagggcccac actctatgta agtcatgtgc   360

ccacatccaa aggccagatc tcttgcattg gtcaaacaaa ctgggcaag   409

<210>   9303
<211>   368
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220101f12a1

<400>   9303

gttttctctc tcaatctctc tctgtgtttg ctgcgaaata cgaaattaaa aaaaaaaccg   60

gaagcttttg ttcgctggtt aatgatttta attttattgg tctcagatta acctttctct   120

ttgcgaatcc tattgattca acgtcgattg tgaatctgag tgttttttact ttgattcgat   180

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tcgatatgaa gcgagcgagg aaatccaaca gggtttcgtg ggctactgga gataatctgg    240

gtcaggtaaa attggtcttg tctgaggatt ttccctcaat agttggtcag aaatcgcaag    300

atcatcttca agcaaagaca tcatcaatgg tacattctaa tattaacgaa cctaatgatt    360

tgcccccc                                                            368
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<210>   9304
<211>   358
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101f12d1

<400>   9304

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gttgttctga ttttaacctt tttttttcagg acttcttatt atcccctgca aactaactag    60

ttaccggggc ggggtccttc gggccctcgt tggcaacctc ttgtccgtaa ccgcccaaaa    120

ttgcccaacc cggcaaattg aaagtaccct ctatgacaaa aagcttcttg gtaatttttc    180

cgaacaactg ctgcgtactg gccctggggg acgttaaaat cgttaacccc ctggttggaa    240

aaattttggc ctatcgaaac ctggcggcct aaaacctttg cgcgagcttt attctgcccc    300

cctttttatta cctggccgct ttttacttgg agtacctttt tgcaagccct gctttttt     358
```

<210>   9305
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g01d1

<400>   9305

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atctcctacc gagtgggact ggtcacgaac tgagcacaaa taagaggtta agtagaggca    60

tagggggctt gttggagggt ggcaaaagcg ccaaggccaa ggttttcacc aaggttcagt    120

gtagggttgg gcctggtacc agaccttgaa gaacaaaata agaaggtta aggtagagag    180

caatagggggg cttgttggag ggtggcaaaa gcgccaaggc caaggttttc accaaggttc    240

agtgtagggt tgggcctggt accagacctt gaagaacaaa ataaagaagg ttaaggtaga    300

gagcaatagg gggcttgttg gagggtggca aaagcgccaa ggccaaggtt ttcaccccag    360

ttgtgacacg tcattgctag ctagctaact ggcgtgtgtt tgggacgcac ccggactggc    420
```
```
                                      4221
```

ctatgccttc gtcggggata atcgtcgcat gcccaaaatt tgcctcggat ttaatggaag   480

tcttggctac tatagttctt gggtcgtact gcctcgaaga ctca   524

<210>   9306
<211>   490
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g02d1

<400>   9306

tcacttgccg gttagacgtg ctacactgtt agtagtgccg ccttcttggg gggggggggg   60

gggggggggg gttggcacat tgtaatagga tgctatgagc tggccgtaag acactagata   120

gaaggaaagc gctaaacaag tacggagaca ggggagagac ggaagaacgg cacataaggt   180

aatagttgta caataactat gtggttaggg cccatgcaaa gaaaatatgt ttttatgtgt   240

acaattacca agaataaaac agaaaccaaa tcccgcagcc attagaatta cagtgatggt   300

tagtaggttg acttttggaa agcggcaatg gggcgccaat cgtaaacgta gtaaacgtag   360

agtgggcgtg tgtgtggtta cttggacata aagataatgc agtctagcaa agggcggtcg   420

tgcgtctacg aacgggttgg cacacgctta ggaggtgggc caggcagcaa gtaagagcgg   480

taagtagggt   490

<210>   9307
<211>   526
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g03d1

<400>   9307

atctgccggc aatttgccgt ctacatgtgt agcagtgcca ccttgctttg gggggggggg   60

ggggcccaaa aactaacgaa taggaacggc caggtccaga tataacagaa ggtataggag   120

tgcaacgatg gtattaaata taaagtgaaa aatgtgtaaa acgtagggtc ggtgggcatc   180

tgtatgggtt ccccatcaac ggccgcctag acctttacct cggcggcggc atacccgtac   240

taaccgcagt cctcaccggt gttaagccat ttgggttccg cataagcctt gcaataaaca   300

acttaaatag acacaatagc cttaagtcgt tcggtggcac ggttggtatt ggaactgtac   360

4222

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taaaacttgt gcccgtagta ctaacctta agcccgtcaa ctgcttattg cccgacaggc   420

ccgtacgcat tgtattcacc cccttattac taagatccga attggtaatc ctatttagga   480

ccagaatggc gcgcctttac agcctcaaca gctgtgccct cgccag                   526


<210>      9308
<211>      431
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101g04a1

<400>      9308

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gtttccactt ccaactcttc ccttcgtaaa caaaataatg ctgcttctaa gtccaacaaa   180

agaggacatg atcatgaagg tgagaatgtg aagatggggt acaaaatcag gccaaaagta   240

agcacaaaag ttggtgcagc aaataaatct gttcttgcag ctcggaaatt gaatttcagg   300

agaggaaaag tgattgaact tcagcctcag agcaacgacg ttccaaggag actcaaattc   360

aggccggcac gcattcttgg cgatgacatg aggagagaca taaatagtgc aagaaaaaag   420

accattgtgg a                                                         431


<210>      9309
<211>      474
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101g04d1

<400>      9309

ctagcttgcc aactaaccgt actacatcgt tagtactacc accttcttgg gggggggggg    60

gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg gggggggggg   120

gggggggggg ggggggggga aaattttacc caaaaaaaaa aaaaaaattt ttaccccccc   180

caaaaaccgc ccctttaaaa ttttaataaa cccccgacc aaaaaaccgg gttatgggtt   240

ttcagaagta aaaggaaacc caaaaaccct tttggggggaa ttttaaaacc cgaaaacctt   300

aaattttttt tccccaaaac cccttaaggg ggaaagggaa aaccctttta acccaaaatt   360
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ccaaaaattc ccaaattttg ggaataatcc cccaaaaaaa aagtttattt ttaaaaaccc   420

cccgcggtta aaacccttc ccggaaaatt taaatggggg gatttaaagg gggg          474


<210>    9310
<211>    346
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220101g05a1

<400>    9310

ggaaatcgct gtgttaacgg cgttttgaac gtcgttttcg tttgtgacat cgcaatggac   60

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tatcacaacg tgtgctccat gcttagagaa gagtcttgca gtggcctcac ctataccgct  180

agcaccacca ctgataagag ccactttccc ttcaagcctt ataaatattt gggtatgaca  240

tgttaggtta gcaagaagac agctgtcaca gttctataat tttatctaag acaattggta  300

tttgttaacg tatataatcc tttattttag tatgaatgca ttagat                 346


<210>    9311
<211>    513
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220101g05d1

<400>    9311

cgacccggac ggtttaccgt gctacatgtg tagtagtacc gccttcttgg gggggggggg   60

gggggggggg gggggggggg aataaagggg agtgaagcta ggtagatgaa aagaaaccag  120

gagagatcgg aataaagatt aaggcgtgga cagaaaagga gacaatgcgc atactgcgtg  180

gtggctgaat tgaatagcgt agatttaaag agggagaacc tggcaaccca aacgcctgtg  240

gagtacgccg ccgctgactc cgagaccgca ccttatgcta acatgtggtg tgaactagcc  300

actatatcgg cgcagactgc agaggtaaca tcagggcccg tgtgtgtggg ctaaatatgg  360

ccaagttctg gttgagcgtt aggctcagcg tataaatcaa aatcatcggt aaaatcttcg  420

gaatatactc agggtttgtc acttcaaggt tcactggatc gatctcgcta gctcatcgta  480

gactgtggtg agacgcgtat tgaaaggtaa ggt                               513
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4224

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<211> 466
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101g06a1

<400> 9312

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atcagaagag gttgctgagc agattctaaa ggaaccaaat tctagattct taacgtcagg   120

ccataatgat gaccaagctt gtgtctctga aaaggccact ggcaattctc agcagagtaa   180

tggatttggt cagactgaga gggacaattt aggggaaatc agggtaattg cacctggaag   240

tattctccca tcgacccctg acacaaagga cagtactgaa cccaaccagg gaaatggtga   300

aaactcatcg cgtgtgtttg gacttagtcg tagattacta ataaatagct ttcagcggaa   360

agtttctttt gatgaaaaat ctgaacatta taattctctg aaatctgtta tattggacca   420

gagtggacaa aatggcattg taggaccatc acttcctgag acaaca              466
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<210> 9313
<211> 538
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101g06d1

<400> 9313

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ggggggggggc aaagcaaatg ctatgatatg gaagaataca gaaataacag ggaggtatat   120

agcgcgatag ataataaact tgtaactaat ggtatggtaa cacctgaaaa aatagaaacc   180

atgatgtcgc gagcaaagag ggggggtgg gaggaaaaaa aatagcgtag cgagtatgtt   240

acggagtagt agtggtatta gtagtatgtc taataattgc atccaggcta gggcttggtg   300

ttaaaaggct gcgaatgggc atcgggctgc gccaattacg ccgagtaggg catgggttgc   360

agatgcgccc ttggaccggc aagcttgcaa ttaagaaaga aagcctaacg taagctaaaa   420

cggcatgata aggaatagca gggaggggaa gcggctgaca atagcggtgc caggcagggg   480

gcgtagtaag ggcgaaggga caccatgaag gacagtgaaa aaaagaatga acgaggga     538
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<210>      9314
<211>      482
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101g07a1

<400>      9314

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actcctcttc cgtgccacta tcttagtcgc actcatcctc gtcttcctct tcaccttcaa     180

ctaccctccc ctcgccccag acttcacctc ccaccgccac ctccactccc actcccactt     240

cctctcctcc tcctcctcct cgcctcctg ggagaagcag gtccgccact cctccacccc     300

tcgccgcccc aacggcctca ccgtcctcgt caccggcgcc gctggcttcg tcggcagcca     360

ctgctccctt gccctcaaaa aacgcggcga cggcgttctc gggctcgaca acttcaacag     420

ctactacgat ccctccctga aacgctcccg tcaggcaatg ctctggaaac accaggtttt     480

ca                                                                    482


<210>      9315
<211>      456
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101g07d1

<400>      9315

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ggggcagtt aaccgaccga gggcaaggag ggcggggggtg ggcgggtggc gaaaaataaa     120

aataaccccta gcgccgcgca ccagaaggaa cctggcccga tcgatcgacc gcaggaggta     180

ggcgtaaccg cagaggttgg ggggacttgg gctgccacct tcgaagaatt caccgattat     240

ggcatcaatg gttgcacatt ccgcctcaca gtccgccgcc caggcgaaca caaagtttgc     300

gaccttaact gcataggcct cgcgcgcaac ccaatcgtct tcgggcagcc tagtggaagc     360

atcgctggtg gccttggccg ctggactaca ttcgttacaa gccatattaa ccgtttaatt     420

cctattgcgc aacgcggttt tacaggcgag atctgc                               456
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<210>   9316
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g08a1

<400>   9316

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tgatgacgac ggcgaagagg taaagtactt cggcttcttc aacgtggtgg cggtggcggt   120

ggcgcttttt ctgttggcgt atgggttcat ccccagccct agcatgttgg tgtcaagatt   180

gtttgtggcg gttttggtgg tgatgctggc ttcgccgttg gggatcccgg tgtactcgta   240

cttgaaggga cggctcggag ggggaaatga cgtggagagg cagaggctga aggagccgtt   300

gcttcagatt ccggagaagg agaatgaagg cgtggtggcg gaagaagagg cggagatagt   360

gaagagggcg ccggaggtgg gtgaggagca cacgatagtg gaggcgctga gaagcgtaga   420

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caatatgggg tc                                                       492
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<210>   9317
<211>   605
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g08d1

<400>   9317

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ggggggggg ggggggggg ggggaagaa gaatatactc gcagagggga agtgagtaaa   120

aaatgtgtat cagatgaaag atatggaggg gtagagccaa taaaaacaag gtgtgtgcag   180

tttatagtag aaaaaaaatg aagaagaata cgatagccac cttgaaagcc aaggaaaaat   240

aaagcctttg ttgggaggcc aaaaagcacg gggaatgagt acagaccata acgtattggc   300

tgcatccaga tgcacagagt atggcactag aaacggtagt aagtttacca agcgtagatt   360

aggtgcaagt atgcttgagg gcagcggttg aaccagggtg gccctggtgg ctgtcgccaa   420

agtggccgcg aaagaggtgg ccggtgcagg cataatacaa gcgtgaacaa caagttaata   480
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agctagctgt tacgtagcat aagaaacatg acttgcgaat aagcattgtt aatatagcgc   540

ggcttgttgt ttgtgcggcg acggcttgtt agagtagaca cgagcttact aactacatta   600

cacaa   605

<210>   9318
<211>   282
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g09a1

<400>   9318

gttaaaaaaa agagaaacta gttccatatt cattctccac acttgactca ggtgggggtac   60

aaccctccca atacttgatt atacccaaca aagaacttca ctcactctta atttcttatg   120

gcatcatccg agaacggagc cagtattgag ccatgcacgc tccgtccccc tgtcaccgat   180

tcctggcctc gatagtattt agctcgtgac gccaatgcct tacaccgagg ctcgtcagac   240

gtctgtctcc tacactgact tgccgggcga ggaaaacaca ct   282

<210>   9319
<211>   374
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101g09d1

<400>   9319

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cagatagatg attgtcggac gttgctgttt agagaaattt attaaagcgc aaccgtccca   180

caactgcgat ttatgaattt aagagattgg ggtgaggtat gataaaatgc tgcctgctgg   240

gggactgtgt gcaagtatat catggatata aggaggcggg cgagcaaaca ataggagctc   300

atataacagg acttgcggta agtaaggcat tgcaaggccc tgcggtaatt gagaatccac   360

tgggtggtac attt   374

<210>   9320

<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g10a1

<400>   9320

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ggaagatcaa aaggactagt ggttttgata tggctccccc tgcctctgct atgttggctg   120

gtgcttctgc tgttgcaggc aatgttgggc tactagcccc actctgctga caattggcgt   180

gagccgacat ctgtagcttt tatgtccacg gaggaatcaa tgcacctgtt tttggtcaga   240

tcactggggc taaccctaca attcctggaa tgtttccaaa tatgtttccg ttggctacaa   300

atcagatgca acaatttagt gctctccctg tcatgccagt gcaggctatg actcaacagg   360

ctactcgaca tgctaggcgg gtgtatgttg gaagcctccc tcctacagct aatgagcagg   420

caggggcaac tctcttcagt caagttatgg ctcagattgg tggagacact gctggcccag   480

gtgatgctgt ggtcaatgtg tacattaatc atgac   515

<210>   9321
<211>   305
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g11a1

<400>   9321

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cacgtaacat aaagatcttt accattttat tatgatacaa aatagataat gttctgtatc   120

aaatttcagt cagacattgg ctctgtacat agggttatat tatcgatgca ctgtatttgt   180

attcaaattc caaatggcga acatatttga ttgctgttag ttttcaaggt tctgtagatt   240

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cttaa   305

<210>   9322
<211>   295
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g11d1

<400>   9322

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ttgcgctcca attccgggca tcgagtaatt gacccttttt accgagccca attgtgacgg   180

aactttgaat ccaagcattt tcttttacgg gtgataacaa agtgggaaat atcttcattt   240

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<210>   9323
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220101g12a1

<400>   9323

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caccctccat ctctccatct tttggcttga ggagtctgaa atcgagctct ttatttggag   120

aatctctaag agtggcatcc aaatcaacac taaaggtttc aaagacaaag aatacttcac   180

tcgtgaccag atgtgaaatt ggtgacagtc tggaagaatt cctcacaaaa gcaacaccag   240

ataagggggtt gatcaggttg ttggtgtcca tgggagaagc attaagaaca atttccttca   300

aagtgaagac ggcttcttgt ggtggaacac aatgtgttaa tacttttggg gacgagcagc   360

ttgcagtgga tttgctagct aatcagcttc tttntgaggc cttaaattac tctcatttct   420

gcangtatgc tngctctgaa gaaaatcctg agctcctgga catg   464

<210>   9324
<211>   391
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101g12d1

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aatgcggagg ttaaccgctt gcgaggctgc tgcaacaggt ggacctccct tggcccagga   180

tttccatac gggggatgtt aaaaccgggg tcttctattc gaggacccct gaggcaattg   240

agttccggcc ttaaggtgac tggggccttt caggtaagga agctggtgac cattgctgcc   300

agaactcaga cgtttttaa gcagaaaccc ccacggggcg acctctaaca agaagctccg   360

catgggattg gctcatggtg attacacgct g   391

<210>   9325
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h01d1

<400>   9325

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ggggccaacg ccgataaacc cgaaatgcga aggtcgggaa taagacacgc aacggataag   120

gcgctagaga gaagaattag acgatagaag tagtggtccg ggtgtgggtg tttttatgag   180

ttcgtcgtgt gcgggcttgc ggcccggcgc gatatggtgg gtgatgggta aactactaag   240

acaaagataa agcaaagaaa gtcaaaggt aaaggagata cccaaaaaaa gtacaaaaga   300

tgcaataaca aagtgataag ggcgcttctt aacgtaaact aaaggagaat acttgataca   360

cctgcgtaag gtaggtggct atcagttaga gtctgctaga ggaggcattc tatatgaaca   420

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ccgcgtaggc aagcaaagta ccggggtata gaagt   515

<210>   9326
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h03d1

<400>   9326

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gggggggggg gggccccta aaacccaaag gggaaaaaac cccaaaaaga aaaacccttt   180

4231

tgcaatcccc aaggggcggg aaatttttaa ctggcggttc caaacaattt ttagacgccc   240

cccaaaaaaa atcccttaat aaggaacccc ccaaaaaggg aaaaaaatgg ttttttaggc   300

ccccgggcta aatttaattg aataaatacc cgcccttaaa aaagggtttg ggggggccaa   360

aaattccccc cccgaaaaaa ttccaaggaa aggggggcct gcggcccaaa ctggcaattt   420

ttgaaggccc caaaattttt ggggccaaat ttggggaggg cgggcctttt taaaagccgg   480

ggcggccctt gcttttaaag gaccccccaa ttgggtttgg gg   522

<210>   9327
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h04a1

<400>   9327

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tcggtagagg ctagtgcact ctccaatctg caaaaatgcc tctcagactc gaaatcaagc   120

gcaagcttgc gcaaagatca gagagagtga aatgtgtgga tctgcatcca acagagccat   180

ggattctggc gagtttatac tctggaactg tctgcatctg gaactaccaa tctcagacca   240

tggccaaatc ttttgaggtt accgagttac cagttagatc ggccaagttt attgcacgca   300

aacagtgggt tgttgctgga gcagatgata tgtttattcg tgtatataat tacaacacaa   360

tggataaagt caaagtattt gaagcacata ctgattacat taggtgtgtg gcagttcatc   420

ctaccccttcc ttatgtgctt tcatcatctg atgatatgct cataaagctc tgggatcggg   480

aaaaggctgg atct   494

<210>   9328
<211>   463
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h04d1

<400>   9328

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ggggggggg ggggggggg ggggcccaac aagtaggagg ggtgtgcccc attaggtagc   120

4232

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gggataagtt accaaaagag aaaaaggaaa aaaaagcagt aacaaaaaag gggaaaaaaa    180

aagaatgagt gaaaagggaa atacctattt cggttgacgg ttcaggggtg ataggtataa    240

gcctatcacg agaggcaccg aaaactttta aaacaagcgc tgagagagaa atgtgacgaa    300

aggccaatgc atttgaaaca agaggccgta gattatctct aaaagcataa aaggtaccct    360

atgataaaat tataatatta ccaaataaat aattacgcta gaaaagtgtg gtcgcctatt    420

ggcagaacat tgtacagaca aagtttacaa ctgccaatta atg                      463
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<210>      9329
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101h05a1

<400>      9329
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ttcatatttt agtgtggtta tttttcatgg gatgacaata gctcaatggc gcaacttggg    120

ataccagaac caacaagaac accaggcatt tgcacaacta ttacgagctc cgcatgacga    180

tgcccaaatg ataattagag aacggttccc ggtgcctaga ttggtagtgt gtgaccaaca    240

tggttcccag gctagattct tattagcaaa actgaatccc tcagcaacgt ataataatgc    300

acatgaaatg gctgctggtt cagatgtaat ctttactgat gatgtgagcc ttcaagtttt    360

ctttgagcat ctgcaaaggt tggctgtcca atcatgagga cagataatag tagagattga    420

cattctatgg gttctggact ttgggtttgg gaattcacca atgatgtgt                 469
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<210>      9330
<211>      566
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101h05d1

<400>      9330
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actggccaac tagtttaccc tactacatgt gtggagtgcc gcctgcttgg gggggggggg     60

ggggtaaaac agttaggcta ttcacagcac gttgagatct ggatggcata agagataaga    120

taaaatacga gtaacacaag cagagtaaat gtaatcgcat aaaagcctgg gtcggatggg    180
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4233

ctgattgcgc caatagagaa aacgaaaaca atgagagaaa ggaagttact gcaccaattt 240

aaaaaggtac agtgccctta aaataaagac caaaaatgca cgaaaaaaaa gtgtttgtag 300

ggctgaggat ctgctgcgcc tacaccgccc cctgtggaat gtcaggggtg agttgggtgg 360

gttctaagat ttaaatggaa tagatggggc aatttgggag gggtgttata aaacaaaagg 420

tcattacaat tggaaacaag gagcggggac cgtggttgga ggtggtaagg tagcacctgt 480

tcactggtgt gagcggaaca ataaagcaaa caaaccaaaa cgatgcaagc taatactata 540

atctaccata tatatagtag gccgca 566

<210>   9331
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h06a1

<400>   9331

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ctgggaagaa ggtaagaaaa ccttacacca taaccaagtc cagggagagt tggactgagg 120

aagagcacga caagtttctc gaagctcttc aattatttga cagggactgg aagaaaattg 180

aagattttgt aggttcaaaa acagttattc agattcgaag ccatgctcag aagtacttct 240

tgaaagttca aaagaatggg acagtggcac atgtgcctcc tccccgtcca aagcgcaaag 300

ctgctcatcc ttacccacaa aaggcatcaa aaaatgtttt ggtgccacta ccagcttctg 360

ttggttatgc ttcatcaaga aatacgcttg cacctgggtt tgcctcatgg gatgaaactt 420

ccctgctgat gaatgccgga gctgataaac ccatgacctg tcaggatgaa ctcaacaatg 480

ttcatcatgg aaatgaagct 500

<210>   9332
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h06d1

<400>   9332

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ggggggggtac gaaagaaaga ggagggacat aggcccatat gggataggca aaagagtgga   120

taaagtgaat caacaaactt aggtaatgcc taaattacca tgtataacct gcaactataa   180

aaaaagcgac gagcgtaaac gcgcatggga tatatataaa ggtcctaata aaaccttatc   240

gggtggggggg gccgcaaaat caaaccttat cgtcagagga cgtatgacat aagacggatg   300

tttgttttgg gggtgaaggg gcgcagcaga tagggcgagt aggaaaaaga gtggataaat   360

tgagcgtgtg atgacaacct aataaaagta tgctaagata ataaggcgaa gaacaagtac   420

tgcaaaaaga taggcgctgt ggtactgggt gaatagaaat gaggggcctg cgccg   475

<210>   9333
<211>   473
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h07a1

<400>   9333

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aaaagaagaa gaaaaacaag aagaagttta acatgtcagc tgccgtggcc gcttccgctg   120

ccgccgctac catgtcgggt taccaccaca actcctcctc gagacaacaa caacacatag   180

accatgaatt ggccttaaca ccacaacgag tgtgtgtctc tccacctctg agcaggtacg   240

agtcacagaa gcggcgcgat tggaacacct tcgggcaata cctgaaaaac caccgaccac   300

ctttgactct ctcacgctgc agcggcgcgc acgttctgga attcctccgc tacctcgacc   360

agttcggaaa aaccaaggtt cacgccgaaa cctgcggata ctttggaaac tcccaccctc   420

cgggtccctg cgcgtgtccc ctgaggcagg cgtggggcag cctcgacgcg ctc   473

<210>   9334
<211>   586
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h07d1

<400>   9334

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gggggtataa gatggggtta gagacaatca aaggatcaga ggaaggacat atgatttgca   120

4235

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tacctggtga ggtacaaaca aaacaaaaaa aaatttgcat aactggtgaa gaagcattat    180

atgacggcaa gttggcactt tgattatagt ctgaattaga caagacaaga caagaagagt    240

aggaagtcgg aaggggttat tagctagtag aatagagaat atcaagaagc ggaaacatcg    300

acggtacggc cggcaacaac cagcgcttat ggaggcgaaa gggggcatat gaggggggcag    360

gtggacccag taaagaatat ctagcagtct aagtaaggaa atttattata tgcccagcag    420

cagcacaaag aacaaatttt agtacagcga caactgcgtt taggtcaagt acataatagg    480

gctgcagcac caataaacct attattatta ttattatgag atttgcaaca agaaggtata    540

gtatgtcgac aatttattag tagtagtcta gtagcagtag cagtag                   586
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<210> 9335
<211> 419
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101h08a1

<400> 9335

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gtcatggcag caacattgat ggcagcaaca acaagttctg gtactcttaa agcaactcct     60

ttccttggcc aaggcaaggg tgccaatgcc aatgctctta gggatgttgt ctccatggga    120

actgggaagt acaccatggg caatgatttg tggtatggac cagacagagt gaaatacttg    180

ggacccttct cagctcagac ccttcatac ttgaaaggag aattccctgg ggattatgga     240

tgggacactg ctggcttatc tgctgaccca gaagcatttg ccaagaacag ggctcttgag    300

gtgatccatg ggcgatgggc catgcttgga gcactaggat gcatcacccc agaggtgcta    360

gaaaagtggt tgagagtgga cttaaggagc cagtgtggtt caaagctgga gcccaaata    419
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<210> 9336
<211> 563
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101h08d1

<400> 9336

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tctgctaccg gcaatttgcc gtactagcat gtgtgcacta cctccttctt ggggggggg     60

ggggggccca acgcggaaa acacacgagt aaaggtgtgg gaaataggct agtttcatgg     120
```

4236

```
taataggctg agattgggtg taggccggct ggtacataaa atgagaggaa taaataacac   180

atagttcacc gggaaaggca attggacgtt ggaacaacga tatgaagtta ataaggaggc   240

gcagtagaga agtgatatag aaagtataaa ccgaactatc acccagccca gtagacccag   300

gacccaacaa caacgtagag ataggggaac atttgcccca aaatggacgc ctagacattt   360

aactaggcgg ccttataccc ggcgtgaccg ccgttaaaac cggtgttaag ccattggggt   420

tacgcataag actggcaata aacaagttaa atagacacaa tagccttaat tggttaggtg   480

gcagtgttgg catgggcact gtactaaaac gcatgcccgt agtactgacc tttacgcccg   540

taaacgatgc cttttaacc gac                                           563


<210>      9337
<211>      449
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220101h09a1

<400>      9337

gtgagttttg tttatttgaa attaacaagt agcaaagatg tttggaatca tcggaggaaa    60

caagggtcac aagataaagg ggaacttggt gattatgcga aagaatgtgt tggatatcaa   120

cagcattacc agtgttaagg gtgtcatcgg aaccggcatt aacatcattg gaggagtcgt   180

cgacaccgtt actgctttgg cgtcccacat ctccatccag ctcattagtg ccaccaaggc   240

tgatggacat gggaaaggaa aagttggaaa ggctacaaat ttaagaggac aagtgtcgtt   300

accaaccttg ggagctggcg aagatgcata cgatgttcat tttgaatggg acagtgactt   360

cggaattccc ggtgcattnt acattaagaa cttcatgcaa gttgagttct atctcaagtc   420

tgtaactgtc gaagacattt caaaccacg                                     449


<210>      9338
<211>      462
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220101h09d1

<400>      9338
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atcacgcccc gaggaattta ccgttctaca cgtgagcacg tccaccttct ttggggggggg 60

gggggggggg gggggggggg gggggggggg gggggggggg ggggggggcc ccggggggggg 120

gggggatatc cctaaccaaa ggggaaccat aatttggccc cgaacccaaa accgggatag 180

aaaacccaca ggaaggtgac cgcccttggg cttagcttac ggggaaggcc ccaaaaagct 240

ctcacaattt ggaaaactag gggagataaa tacaaggggg ggaggaatat ggaataccaa 300

aaatcaaaat agggaagttt tttaaaggta gaatggaatt agataggccc ccagcaacca 360

agtaagggtt ggtgaggtat ggggaggcaa aattacccaa acgatgccaa aaattaggca 420

cttttggaaa ccaaagattc cccccaaggt tgtgcaaacc ca   462

<210>   9339
<211>   474
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h10a1

<400>   9339

caagtttata aatatacatg acgttccttg ttaatttcat gaagaaaata atacgtgcat 60

acatagctat ctatttatct atagcaagtg cgtcaagaga cacgtggtac cctagctaga 120

gtgccattct gtggtttctt tctttctttc tttctgcatc acatcacaat ttgcattgcc 180

tcgtgtcctt tttcttcttt gctctccaaa aatctcacac acacaggtat ctagcaaatg 240

ggttctcacc aacaagaacc atggctattg gagaatggga aaccaagggt tttgaccaag 300

gagaccaggc atggccgttc tgcacacaga atgtcctcca cctctttgcg caagaaatct 360

agccgaactc ttgtctcaaa ggttccatgt gccactctca gaaactttct ttcaaatttg 420

caagaggtta ttcttggcac caagctttcc attctcatcc ctgctattcc agct 474

<210>   9340
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h10d1

<400>   9340

gatgcatgct ttcactttca cagataaaag attgtcacgg tcgaggaaga tcaaggtttg 60

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gaccatccaa ctacaactca ttgaatgtga ataagtgtgg gagttgaatt agttcaaggg    120

caacctcatg caagagactc ccattacgag agtagctata catgtacaaa aaattcttta    180

gaattttaat ttgtaataat tacacgaaaa cgatttttct tgagtgtaaa ctcatgacat    240

tctcaaataa aaattaaaga caaatctgta gaagtatcaa aaaaattcat ttaagaaact    300

gattttttct aataattgtt ttttatcagt tcatataccа tttaaaaatt taacctactg    360

atcttatatt taaaagatga agttatttat cacattttaa taattacttt gaatgattga    420

attagttgag ttgatgaatg attgagttag ttggaactga gaaaacaatg catacatgtg    480

caacatcaac aacaactaat taagtggagt gatgatgaga gggactcac              529
```

<210>   9341
<211>   108
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h11a1

<400>   9341

```
gataactaga aacagcgtga tttatatgaa ggccctagtt ttcttcgtcg ctgggggggt     60

ggtagtatga caacgccctg cataccctat gcgccctctc acattgaa               108
```

<210>   9342
<211>   412
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220101h11d1

<400>   9342

```
tgaaaagaag tatatcctgt tttcggaact aaccgacgac atccctcgca acattttcta     60

caaactcgac gacgatcctc gccactgggc tcgcttagcc tgtgtctgca ccaaattctc    120

tttcctcgct agggaatttc tgttggaaga ccaaatgctc cctcaccatc ccccaagacc    180

tcctctccga cgacgcctcc gacccccctc tctccctcca caaactctcc ttctgctgcc    240

ccggcctccg ccacgccggc ctcctgttcg acaccttcga tttcagcctc gaacgcgacc    300

tcggccccgg caacttcaac gtcatcaccg atgattctcc ttcgaacacc actccaccac    360

caccaccacc accaccacaa caacaacaac aacaaccttc tcaatccgat ga           412
```

                              4239
```

<210> 9343
<211> 350
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220101h12d1

<400> 9343

```
aactcgacgc tttacccacc atccagaaaa tgctaggtgc tactgcgtgg cacttgtctc    60

tgcggcatac gcaggccgtg ccacttcccg acagctacat gagtcctctg acactgttcc   120

caattttcg gaataacttt caacttatca acgtttcgca cgtcttacac ggactacgct    180

catgacctct gtattaggga agcttcatta tcgctctcgg cggctaacgc tacctcaagc   240

tagctgaaat tggccttaaa tgtaacacta gatacgttgt tgcgaccctg cgaattcagc   300

gatgatactg ttagagctat gatcgacaat agtccacggg agcatgtggc              350
```


<210> 9344
<211> 554
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102a01a1

<400> 9344

```
ggttgatttg acagcttatg tggagaaaca tgagtttgt tttgatgctg ttcttgacga    60

gaatgttacc aatgatgaag taaggttgct ccttatcaaa gattgaattt ttatgctgtt   120

tcttatttaa attaaattaa ccttttttct tcagtagtta tgacgccaat atttggcttg   180

tttgttgttg ttggtatta tgaaagtgat tgcttgcctt tgtcttggtc ttgactcttg   240

agttgttaat ctaaggcatg gttgctgctt tgcaataaca ggtatatcga gttactgtag   300

aaccaattat tcctacaatt tttgagaaaa ctaaagctac ttgttttgct tatggtcaga   360

caggtaagca aattattctt ccttgttcat atcataattg taccaaacat tatgaataag   420

cactatccaa tttactttcc aaaccttntt ctttattcaa tataatattc tctatgtatg   480

actntntatc tgtgtgtgtg tgtgtaacta gttgtgaatg gttctntgaa gtgttagtag   540

ctgagcataa tggc                                                     554
```

<210> 9345
<211> 474
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102a01d1

<400> 9345

ggcggaataa aaaataattt acacttaaat ccaatttgca agggcattaa ggtggacaca 60

atatcacacg agggacaaat atacatttga gtaaatttaa tttgaatacc caacaaaaga 120

tcctttttttt tttttaataa aatgaacaaa agcctttaaa actatattgc taacaaacac 180

ggagatatta catcaagaac atacacatca tcactgaaca agagaaatgg agcctctcaa 240

cggggcactc tttttctact tagtatctct tgttctttta gtcgatgttg gaatcttgca 300

aggcgtgctt ggagactaac gagactagct gctttgcgag aaagcacgaa actcaactgg 360

gttacgtagt tgtcaataag acttcctggc tggtccactt ctgccagtag tttcatttct 420

tcacgaacaa tctccattgt gtcttcaatt tcctttctat gagcagcaat tagt 474

<210> 9346
<211> 216
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102a02a1

<400> 9346

ggacgattat acagcatatg tggagaaaca tgactacatg cgagatgctg cacttgacta 60

gaatgattcc aatgatgatg gaaagtgtcg acttagcgct gattgcatgg gaatgctgtc 120

cattaggcaa aagatagcaa tcttaaggct gcacggaata tctcgccaat gagatacttg 180

attggtgatc gtagtacgta tgctagcgaa agtttg 216

<210> 9347
<211> 449
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102a02d1

<400> 9347

cttggtttat actataggtc tcgcccatta cctactctcc gttcccaaga gcacgcacca 60

ggactattgc acttcttcct cgttctccct cttttttcttc ttcttcgcta aacccttttt 120

tctatctcac taacacaaca atgggagacg agaagaaggg caagcctgct gcttccggct 180

gtgtggtcca ccatcaagcc tttcgtcaat ggtggagcct ccggcatgct cgccacctgc 240

gtcattcaac ccatcgatat gatcaaggtg aggattcaac ttgcgcaagg atcagctgcg 300

caggtcactt ccaccatgct taagaatgac ggttttgctg ccttctataa gggtctatct 360

gctggattac tcaagcaggc tacatacacc actgcccgtc ttgggtcatt taaaattctt 420

gacggccaaa gctattgatg ctaaatgat 449

<210>   9348
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220102a03a1

<400>   9348

gaggtactct tattgatacg gatggcagca ccattggcat gtgttgttgg gagtggttta 60

tccatacaga gtaataaaat tggcaaggac gtcaatggaa gatatctctt ctcatatcat 120

aggctttcag tactgagtaa ggagtcaaag acaatatgca taaaggcttc cttggatcaa 180

aggaagcatg aaggtagaag aggatttctg aaattgttga atgtgggagt tggcttacct 240

gtattattag gaggtgggaa agcttatgct gatgaacaag accttcctc ctccagaatg 300

tcttattcta gatttcttga gtatttggat aagggtagag ttaaaaaagt ggatctgttt 360

gagaatggaa ccacggctgt tgtggaggct gtttctcctg agttgggtaa tagggtgcag 420

cgagtgcctg ttcaacttcc tggacttagc caagagcttc ttcagaaatt cagggaaaag 480

aacattgatt ntgcagctca taat 504

<210>   9349
<211>   361
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220102a03d1

<400>   9349

```
acaatgatac aatgagttaa tatcattact attcactaag gatacattat gtactaattg    60

tgaagaaact tacattttcc gttgccaaca caagaaaaac agaaattaag aagcaagcta   120

tgatcttgac attactaaaa ttggagccag gggtatatta caaatatttc acaatttcag   180

aaaattcagt aagtggaaag ctacactaca ttgcagtggc atataagcaa ttcaaacagc   240

aactggagag ggagttgaat gagggacccg attttcagca ggaatttcaa catactcgga   300

caggagagct tggaattcat cttcagacat ggctcaggc tgcaatagaa cttccacaat     360

c                                                                    361
```

```
cttttatttc actccatgat catcactcac acatcaaaca ctactactag ctccttgtat    60

gagtgtcatt ccttctagct aaatctctct cttttggggt atggaattca acaagttcag   120

aatcagaagc tatgaggggc aatctgatag ggctcaagtg gaagatcttg agagaagatg   180

cgaggtaggg ccatcagaaa gcgtgtttct cttcacagac actatgggtg accccatttg   240

taggatccgg aacagtccca tgtacatgat gctggtggca gagttggaca atgaattggt   300

tggtgtcatt caagggtcta taaaagtggt cacagttcat ggtcaccctc caaaggattt   360

gcaaaggtgg ggtacgtcct tggcctaagg gtatcacctc agcacaggag aaaagggatt   420

ggctcaagcc ttgtgagaac cactagagaa tggttcactt canaagatgt ggactatgca   480

tacatg                                                               486
```

```
gtgagatcat gcatgcttta aacctctctt gggtctacaa aaagagctct tgttggtggg    60
```

```
gttttggttg ttaattcatg gaacttgtta atttgcccct tcattttca acgcctttat    120

gcaccacaag tcctccgggc atgagagcca tttccaatgt gggatatggt ggttgagctc    180

atctcttcct ccaacttcag tcacaatgat cctgcaatta ctctcatgct tggactcagt    240

acccatgttg tgcacaaatt ggtacaaggc cctaactatc ttccctgaaa atggcccttc    300

atggtgcacc ccatacatga aatagaaccc aaatgggttg aagaaatcac gtatggatgg    360

caatttcaaa catgggaaga tcctatgaac taaccaccaa cttttagagc ataccaagca    420

agaaaaaggt gctttcccta gccttaactt gaatatcttc ccactattgc atacactaag    480

cata                                                                 484
```

```
<210>      9352
<211>      451
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220102a05a1

<400>      9352
```

```
catccattca ttgtcttaat gttagcaatg tcttcctctt tctccatcca tttcttcctc     60

ctcctctcaa tagccctttt ctcagtttgt tgcttagcag catctcaagc tcccaccacc    120

aaatcacacc cctatatcct tcccattaag aaagaccccg caacaaattt gtactacact    180

tcagttggca ttggaactcc taggcacaac tttgatttag tcattgatct ttctggtgaa    240

aacttatggt ccgatggtga cactcattac aactaatcat cctacagacc tatagcttgt    300

ggctcaaagc aatgccccga aattggatgt gtcggttgca atggcccctt caaaccaggt    360

tgcacaaaca atacatgccc tgctaatgta atcaaccaat tagccaaatt catttacagt    420

ggtggcttan gtgaggattt catattcatt c                                   451
```

```
<210>      9353
<211>      459
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220102a06a1

<400>      9353
```

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catggcctct aagtgtgaaa gttggatgat tttgggtttg ttgattgcta tttcgttctc    60

aagcatgcat atggacatgg cattcgcagc aaggaatctc ctgcagacag aattgatacc   120

tgagctgcag ccagtagtgc cacctgtcat acagcctaga gagatagaca tctctgactt   180

gccgccactg ctaccagtac catcaccacc aattacccttt cccatcccct aagcacttgg   240

atttggattc ataaataatc actcatctcc actctccatt ttcattcagt tccctgatgt   300

tattgttgct ttcaataagt gatctttttt cacatctgtc ttgttcaatt tcttctgata   360

cacatgcttg tgttcttttc aatcttcctt tgcactattt catgtacctg gactagtgga   420

gaccagttgc tgttataata tatacaagct attctatct                          459


<210>       9354
<211>       344
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmf102220102a07a1

<400>       9354

gtctcggaat tcggctcgag ctagcatctc tgtagcccta tagttaggac aaagcatgtg    60

aggactgctg atcatcattg aacaagtac tggctaccag agatgagtac tatattacgt    120

ggatactaca taaatgctca ctctgcacaa tctacgttga aaattgatcc ggtatatgat   180

attgcatcct gatgtctagg agagggtctc tagaagccct aatgtgtaat ggccatgcca   240

accctaatct tacttgcgct actcataaag taatattcaa ttgtgcgcct actgggatac   300

tcgactctac atcatgctca ccaacactga gtagattcag agat                    344


<210>       9355
<211>       507
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmf102220102a08a1

<400>       9355

cacaacaaca ctctgaaact aacaacaaca ataaaagacc atgtcggtga aggagtgcga    60

gcaccacaag gggaagaaga ggaagatctt ccggcaagtg ttctggtgct tagtggtgtt   120

cctttttcatc gtgctggtca caattctttt gatatgggca atccttagac ccaccaaacc   180
```

caccttcacg ctccaagacg tcaccgtcta cgccttcaac gccaccgtgg cgaacttcct 240

cacttcgaat tttcaggtca cgctcatctc gcgtaacccg aacgaccgca tcggtgttta 300

ctatgatcgc ctcgaaacct tcgtgaccta ccggagccag caggtcacgt accgaaccgn 360

catccctccg acatatcaag gccataaaga gatcaatgtt tggtctccgt ttgtttatgg 420

caccaacatc cccgtcgcgc cgttcaattt cctcggcctc agccaggacc agagtaacgg 480

taacgtcctc gtcaccatcc gagccga 507

<210> 9356
<211> 547
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102a09a1

<400> 9356

tttctttcat atactaccag tcacatttct tatacagaaa agcagtgtct gcagcaccca 60

aacgaaacga cagtgaccaa aacagcaaaa cgacattaca gagagagagc gacgatgccg 120

gaagaaacga cgtcgatcga ctacgtgatg gaggcggcat ctgggcccca cttctccggc 180

ctgagacttg acggccgtat gccgtcctcc gccaccgccg ccgncgcgtc ctcctctgcc 240

gattctaccc taaccccga tttcctcccc aatcaaccct tcgtcatagg tgtttcggga 300

ggtactgcct cgggaaaaac caccgtctgc gacatgataa ttcagcaact tcacgatcac 360

cgcgttgttc tcgtcaatca ggactcgttt tatcgcgggt tgaatcctga agagttggaa 420

cgcgttcacg agtacaattt cgaccaccct gatgcttttg acacggagca gtttgtagag 480

tgcacgatga agcttatcag tggcncaggc ggtgcatgtt ccatttacga ctttcagaag 540

caccaac 547

<210> 9357
<211> 407
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102a10a1

<400> 9357

```
cacaaatggc aaaagatgaa tcatgataga caactatgga agttaggaac actgccgcct    60

ggtcttataa cattctggaa acgcacttc caactgcacc gatcttggca tgtgttgggt   120

cttggctata accccaatat caaccaaaaa gaaattgaac gggctgctgt tatacactac   180

aatggaaaca tgaaaccgtg gctggagata agtattccca agttccgagg ttattggaca   240

aagtatgttg actacaatct tgtgtattta cgagaatgca acatcaatcc atagaaggat   300

ctggtggcat gtgtagggca tgaaatttat ttaaagcttt tatgattatt ttttatacat   360

tttcctccct gtatggaaaa agatcccaag ccaaaatcaa gagtatg                 407
```

```
<210>      9358
<211>      189
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102a11a1

<400>      9358

gttattccta ttccgtatgc ttcccccccag tttatttgca ggtgtcttag atgttttgtt    60

ttagtcagag tactaaggaa gtttatgttc ttggtactt tggtttcact tttttttcgta   120

tctgaattgc tgtaggatgg attagcataa cttgttggat ttattagata tgcatttgcg   180

gtttggatt                                                           189
```

```
<210>      9359
<211>      518
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102a12a1

<400>      9359

ctcaaactct cggactcaaa cacacagcac gacgaaacct agcagcctca cgccctcatc    60

gcagcaggga cctagccgtc gccggagacg cactgagtct gagagcagcg gtgactaaat   120

caggtttgtc aaagaggaaa aggagagtta cgattcaggt ttgaagcact aaatcaatca   180

aaattgtagc aatgggtgag agcaagaaac gaaagagaca cagaaacaaa cgtggtggta   240

aggaggagca accggttctt ccttctcctt gtgctaagcg cacaaagctg aaggaaccct   300

cnttctttct tcanaagatg cgagcaaggt tgtctggtgg gcatttcagg atgattaatg   360
```

aaaagctcta cacttgcact ggggaggagg cgctagatta tttcaaggaa gaaccttcgc 420

tatttgatgt gtatcataca ggatacaaaa cacanatgtc aaattggcca gaacagccag 480

taatggaatt ataagtggct gaaaaacaga gcctttct 518

<210>   9360
<211>   517
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102b01a1

<400>   9360

ttcttggacg aggaagaaca tggtcctgtc gttgaccatc ccatctggta catccgcacc 60

accggtctcc aacaagcagt catcaccgcc atcaccgtct gcaattacaa aaaagacgaa 120

ggcttgatcg aaggtacaga atgttcagtt tgcctcagcg agtttcaaga ggacgaaagt 180

ctcaggcttt taccaaagtg taaccacgct tttcacttac cttgcattga cacgtggctt 240

agatcgcaca ccaattgccc catgtgtcgt gctcctattg tcactgaccc aacaagggtt 300

ccttcttcca tggaccctac tgcgtttgaa acaagttctt ttgtggagga gatttttgaa 360

aatagtgcgg agaatactca aaatagtagt gatgatttgt tgaggggtga ggaagaggaa 420

agagtgcaag aagatgagcg tgtgaagaga acttggcttc tgaacttgtg gtgactgtgc 480

agcagccgag aagatcggtg tctctggatt cttcttc 517

<210>   9361
<211>   377
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102b01d1

<400>   9361

gcaaggataa caaccttcta ttcattcata acttttttgc tttactatta aactttatac 60

acttgatcat cacatgacct acttcattaa ttcacacata aacccttgaa accctcacct 120

tgttgacagt aaaaaaccca ctttaattgg ccagaaccag aaaaattatt aagttgtcca 180

agatcattat gaaactcact taacctctat atgacatatt ggagtattat taattggaaa 240

aaaaacttga ctatctgtta caaaaagatt gaacgagact atccaattgc aactatttct 300

cggactacct aataatttct cgaataacaa acctgattca atcaaaagct tctaaaagga   360

gcatttggct ttctttg   377

<210>   9362
<211>   555
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102b02a1

<400>   9362

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agaagataat aaagtttcta gaaatgagga tcaggttctt agttctgaaa acgaaaccaa   120

aggcaccgaa catcttgcat ttcatcaagt tccttctgtt gaacaaaatc agaatctagc   180

atctaaactt ccagacctca atttggctga ggtttctacc agggagtctg ataatgatac   240

taaggtccaa tcccagactt ttcctttaac tggaaacaca ggccaagatg tttctcaaga   300

ttttcccca gaagctaaat ccagacctac tcagggtgac attctgattg atatcgagga   360

caggtttccc cgtgatttcc tttatgacat gttctccaaa gcaataattt ctgaagattc   420

ctcaagcatt ggtccattac caacagatag agcaggtttg agcttaaata tggacaatca   480

tgagcctaaa cgttggtcat attttcagaa cttggctcta aaggggtttg ataatgtatc   540

tctaatgatc aggat   555

<210>   9363
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102b02d1

<400>   9363

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atgtggtttt tcacatgcac acatatacat attcacaatc aaatacaaaa agagcagggg   120

ccagaaaact acaatacaaa caactattgt tggcccttgt ataacaataa tatatatctt   180

ttttggagca taattgaatg aaccgtgtgt ggcaatcaga tcaaatccgc tggttttcat   240

ttagatgcct tgtggccctg tcctttgatc tgactagcgg ctgcagacat cacacgcaag   300

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cggcgagcaa tttcggcaaa ggatggcctt actgctggat taggtgccca acactgctcc   360

attagtgttt tccactcaag atcacaataa ctagggattg taggtcttaa tgtgttattc   420

acaatgcctc ctatgattgc gccatagtgc atattagcat at                     462


<210>      9364
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220102b03a1

<400>      9364

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ggatcaactt tctcaccatg cttttggcca ttgttgtgat aatatttgga gtgtggatga   120

acactcatta tgatggttgc ctaaagtctc tcactgtgcc tgtaataggc ctcggagcag   180

ttattttctt aatatctgtt gttggctttt tgggtgccct gaaaaacaac tccatactat   240

tatggattta tctgatcacg ttgttctttg tcttggtggg aattctggtc ttaacagtat   300

tggagttcat cgtgactatc aatggatcgg gtcataatgt tactggactg aggtataagg   360

aataccaact tcaagaattt agttctttgt tcttaaagag taaacaattc ttgaactggg   420

aaa                                                                 423


<210>      9365
<211>      543
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220102b04a1

<400>      9365

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agcttggtgg aaagaacttg tagaggtggg tcatggggat ttgaaggata agccatggtg   180

gcaaaagatg caaactcgtg aagagttggt tgaagcttcc gctaccctca tatggattgc   240

ttcagctctt catgctgctg ttaactttgg acagtatcca tatggaggtt taatcctgaa   300

taggccaact attagcagga gattcatgcc tgagaaaggg tctcctgaat atgatgcgtt   360
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agctaagaac cctgagaagg agtttttgaa gactattact ggcaagaaag agaccctcat   420

tgaccttaca attatagaaa ttatatcaag gcacgcatct gatgagttct acctcgggca   480

gagagatgcg gtgactactg ggactctgat tgccggccat tagaggcctt taagaggttg   540

gaa   543

<210>   9366
<211>   496
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102b04d1

<400>   9366

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ggaatgatga atccgtttct cagcaatctt cttctgttgg ggtcactctc atcaccggtt   120

atcttggatc gggcaagtcc actctagtga atcatatttt gaattcgcaa catgggaaga   180

ggattgctgt cattttaaat gagtttggtg aggaaattgg cgtcgaaaga gcgatgatca   240

atgaaggaga taagggtgca ttggttgaag aatgggttga gcttgccaat gcgtgtatat   300

gttgcacagt caagcatagt ttggttcaag cacttgaaca acttgttcag agaaaggaaa   360

ggcttgacca tatattgctg gaaaccactg gattggcaaa ccagctcctt tggcatctgt   420

ctatggttgg atgaacagtt ggaatcagaa gtgaagctcg attctatagt cacggcggtg   480

gatgcttaaa atttgc   496

<210>   9367
<211>   534
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102b05a1

<400>   9367

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gcattctgtg cctttccacg gaggccagtg gatgttccat tcggcagaaa ctacgttccc   120

acttgggctt ttgatcacat taaatacttc aatggaggtt ctgagattca acttcatctt   180

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gacaagtaca ctggtactgg cttccagtcc aaagggtcat acttgtttgg tcacttcagc   240

atgaacataa agatggttcc tggcgattca gctggcacag tcactgcttt ttatttatct   300

tctcaaaatg cggagcacga tgagatagat tntgagttct tggggaacag aacaggacaa   360

ccttacattt tgcaaacaaa tgtgttcacc ggaggcaagg gtgacagaga gcaaagaatc   420

tttctctggt ttgatccaac ataagcatac cacagatact ctgtgctgtg aacatgtat    480

canattgtgt tcctagtgga taacatccca ataggggtgt ctaaaaccta aagg          534
```

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<210>      9368
<211>      471
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102b06a1

<400>      9368
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gcccaccact aatttggtgg taggtggcag agttggacaa tgaattggtt ggtgtcattc    60

aagggtctat aaaagtggtc acagttcatg gtcaccctcc aaaggatttg gcaaaggtgg   120

ggtacgtcct tggcctaagg gtatcacctc agcacaggag aaaagggatt ggctcaagcc   180

ttgtgagaac actagaagaa tggttcactt caaaagatgt ggactatgca tacatggcaa   240

cagagaaaga caaccatgcc tcagtgagtc tcttcatgga caagtttggc tacaccaagt   300

tcaggactcc agctattctt gtcaaccctg tgaaccatca ttgctttcaa atatcaccca   360

acattgagat agcaaggttg aagattgacc aagctgagta cctctataga agattcatgg   420

ggtccacaga ggtcttccct aatgacatan ggaatatact taggaacaag c            471
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<210>      9369
<211>      496
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102b07a1

<400>      9369
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gttaaactgt cgccattgtc tccaaagatt ttagtgtata ttgattggtc tcagaagctt    60

ctggagaagt atgatactca tccacttgag actttgcctg aagttctaaa atatggacct   120
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gtaaccaaga aagctcgtac tgaacctctc tccttgtaca cctgcttgga agcttttctg    180

cgtgaagaac ctctggtgcc cgaagatatg tggtactgtc ctaaatgcaa agagagacga    240

caagcaagca agaagcttga tttgtggaga ctcccagagg ttttggtcat tcatttgaag    300

aggttttcct acagcaggtc aatgaagcat aaactggaga cttttgttaa ctttcccatt    360

catgattntg atttaaccaa ttacatagcc aacaaaaaca acactcggcg tcaactgtac    420

gaactgtatg cccttacana tcattatggc agtatgggta gcgggcatta cacttgacat    480

attaaagctt tagatg                                                    496
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<210>      9370
<211>      498
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102b08a1

<400>      9370
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ttgatccgtg agaacttaaa ctcagactcc taaaatagtt tgatcacttt cgcattgacc     60

tgtaaccttt tctctccggt taccaaaacc gtaagttgct gaacatggac ccgcaatcgc    120

cggttcgggc ggaactggag cctccggttc cgacgttctc cccacggttc gcgctcacat    180

ccagttcgca gcggaaaatc gcgatcgcgg tcgatctgag cgacgagagt gcctacgcgg    240

tacgctgggc ggtgcagaac tacctgcgac cgggcgacgc cgtgatcctc ctgcacgtgc    300

gtcccacgag cgtcctctac ggcgcggact ggggctccgt ggatctgagc gcggcggagg    360

acggcggcga cgaggagtcg cggcggaagc tggaggacga cttcgacaac ttcacggcga    420

cgaaggcgag cgacctggcg cagccgctgg tggaggcgca gataccgttc aagatctaca    480

ttgtgaagga ccacgaca                                                  498
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<210>      9371
<211>      570
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102b09a1

<400>      9371
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gaaaatgtaa ttgagtcact gtttgcagaa aaggatggt ttatttaaca tatgcacatt      60
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<210>   9372
<211>   464
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102b10a1

<400>   9372

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aagatccggt ggtggttccg attgctcaca tagggtttgg tctcgggtcg gtcaaggctg   120

gcgggtattt gggtgaagta aatggcggat ccggccggaa tccggctccg tgagtggtgc   180

aagcgtggtg ttgcggcggc ggcgttgata gggttacagt gcggtgacga ttgttgccaa   240

caagagtgaa gcatgctgag cgtgctgcgc gtgcaccttc cttctgatat tcccattgta   300

ggctgtgagc tcacgcctta cgtgctccta cgccgacctg ataagaccgt taccaccgat   360

gatttcccgg aaaccgnccc gttagacggc catttcttgc gtacaagtgg tatcgtgtac   420

agagtgataa aaggttgctg gttgtagtgt acatccttct gagc   464

<210>   9373
<211>   586
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102b11a1

<400> 9373

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gtgaaagaaa gaaaaaaaca ccatgatcct aatctactac ctctcggagc acccggctat    60

cgtgggcttc cggtggagcc acgcccaatc atggggagcc acctggtcct tcctcttcac   120

ctcaatcgcc tcctacctct tcctctcaat cctcctccac ctctctcttt ctctcctctt   180

ccgccgccgt caaatccctc ttggcccatt ccccgccgtc cacagcctct ccgcgacacg   240

cggtggttct ggccgcgctc caaaaccccc ttacagtggc tcctctgctt cccccctcggc  300

acgcgcccct cggggcgcgt gttcttctgg tcctacgtct actacctctc ccacttcctc   360

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cttagccact caatctccgc cttcgcctcc tttctctggc tcgagttctc gcagtccttc   480

caggtaatga gtataaacat ctactagaat atatntgatg atattctata ctcanagatt   540

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<210>   9374
<211>   570
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220102b12a1

<400>   9374

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aagacgataa caaatggcat catctcagtc gaggaagaga gttgacgccg tcgattctcg    60

cgctgcttcc gttctcgttc gcgccaaaga tggcagtgct tttgctcgtt gcgacgattg   120

caagaagaat gtgccggttg cactcatcga catgcacagt tgcagccttg aagctaaaat   180

taaaatgaac ctagacgctc aagttgtgga acaggctgct gaagctaaga agccggagag   240

gaagaagccc aaatctaaag agcctatggc aaaaaaagct aaagttggga aggggaagaa   300

agtcaaggat cctaacatgc ctaagcgtcc tcccacagct ttctttgtct tcttggatga   360

ttttagaaaa tctttcaaag aagctaatcc tgattctaag gatgttaaaa gggttggtaa   420

agaggctggt gaaaagtgga ggtctatgac tgatgaagag aagaagccat atcttgacaa   480

agtngctgag cttaaggaag agtacgagaa agctatggaa agctatgaag ctggtcaaga   540

tgaagaagat caactgtgtc tgataaggaa                                     570
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<210>   9375
<211>   528
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102c01a1

<400>   9375

gtttacgtga agtcacagaa atcaaaagcc tacttcaaga ggtatcaagt caagttcaag   60

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aacaaatata acaccccgaa atatcgcttt gttgttcgtt tcagcaacaa agacattgtt   180

gcacaaataa tatctgctag cattgctggc gatattgttc ttgctgcagc atatgcacat   240

gagctgccac gatatggtct tgaagtaggg cttacaaatt atgctgcagc ttattgtact   300

ggtctcctgt tggcccgaag agtcctcaaa acacttgaaa tggatgagga gtacgaagga   360

aatgttgagg ctactggaga ggactattca gtggaacctg ctgagagcag gaggccattc   420

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cttaagggag ctctggatgg ggggttggat attcctcata gtgaccag   528

<210>   9376
<211>   416
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102c01d1

<400>   9376

cgttaaacta aacaacttcc tgatagaaac aaagcgtata tcataaaata aggtaagaca   60

tcaattcatg ttgacacgaa attgaccaaa atacggctt actcaacttc aaaaagtatc   120

caaaattttg gacctagaaa ataaacagca catgtaaata aaatgattga ctgaacgcaa   180

aataagagag ttttagttgt gcaacgatga catggaatct gcaatgaact ttcactcatc   240

atcttcatca ttatcagcag cagagttgat agccgccaca cgagcaatca acttagcctt   300

cctctcctca taagtgagtt tcttcagatt gtacctcttg agttccttcg ggggctgctt   360

ctcagatttc ttgagagaag gatcagcacg gatggcagca tgaaccttct tgtaca   416

<210>   9377

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<211>      540
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220102c02a1

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tcgacggaaa gatctccgcg tttccgggga gagagggaaa cggcagcgtc gatttggagg  120

tcgttttggc cccggcgacc atggcggggc tcgaaaacga catggagttt atgcaatacg  180

taacgcaatt cgtttgaata agtttgttca tgaagtttcg gcacagtagt agtgatagtg  240

aaactgggag gagggaggga gtgaaaaaaa aattataagt cggtgatgaa acgacgggga  300

aggtgggtgg ggtgattgca cgacaatagt accatggggt gtgggcgtcg ttttgtgtca  360

gtcaaaggtc aaaccgttcg ggagtggggt ctcttttttta ggctgtgttt gagtgtttcg  420

gtggttggcc caaatgatat aatggttttt ctgtacgtga ttcccgggag ggttttcagt  480

cttcactttt caggtgaccc aatacaggac gaaataataa tatggatgat gatgatgatg  540


<210>      9378
<211>      375
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220102c02d1

<400>      9378

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gtcttcggga acaggcatag cgctgacgga tcaacatgac cggtgtaacc gacagtagag  180

ccggtggatc attcgggcca taccaccgcg acattgagac agagtctata atagagaccc  240

gattctgcta acgaagaacc gttggctgac acaaacgac ggatcacata tccagtggct  300

atgggcgagc atcatgtcag atgttactgc cggtgtaaca tacacgacat gatcatacct  360

ggcaccgtga tcttt                                                   375


<210>      9379
<211>      430
<212>      DNA
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4257

<213>   Glycine max

<223>   Clone ID: jC-gmf102220102c03a1

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gcgaagcgca gcatgtggaa tggagcaaga tccagacgcc tacggacgaa gtggttgtgc   180

cttacgacac tttggcgcca actcctgatg gttcttcgga cgtgaagaat ctattggaca   240

agcttgtggt gttgaagcta aatggaggct gggcacaac tatgggttgc actggtccta   300

aatctgtaat tgaagttcgt gatgggttga catttctaga tttaattgcg atccagattg   360

agaatctcaa tttcaaatat ggaagcaatg ttcctttggc tctgatgaat tcattcacca   420

ctcatgatga   430

<210>   9380
<211>   277
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220102c03d1

<400>   9380

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gaggctcgcc ctgaccgatt cttctttta attacaatac acaagattat actaaatcgc   120

attaaggggc agaacatagc gatctttta ggtgggtcat tatcggattc gatggcaatc   180

gaaaagggac tcttcggtct tatgcattgt aactggtgaa ttctatatga tgtttgaaca   240

acattattgc attgacagtg ctttcagtgg aacactt   277

<210>   9381
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220102c04a1

<400>   9381

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caatgtccat ccttgttgga cttgtgcatc cgcaaaatca ctcacactct gactcgggag 180

gacatacata aatataacac tttttctgca ctcccaccgg acttgagtca gcgaattttc 240

aacaatatgg tttactcctc ctatctcaca cctgcttccc tccaacccctt tcgagattct 300

gccctccagg atatttgctt gggagaatat gaatatgcaa atggtggtgg tgctgctgct 360

gcaattgtgg atgatgcctg gatggatgtc atctcatcac agggatcctc tntacttcat 420

ctagatctct tctgcctctg atgtcactga tcattgtctc acctttcttg gacattgcac 480

aaatatcatc tctttaaatc ttaa   504

<210>   9382
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102c05a1

<400>   9382

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tcgaaggaga gacccactct tggtggcacg cggattaaga cccgcaaacg aaatattgct 180

gcgccgctgg accctgcagc attctcggat gcagtggtcc agatttattt ggataatgct 240

ggtgatctgg aacttattgc taagagtatt gaatcttcag accttaactt ttcaagatac 300

ggtgacacct tttttgaggt tgctttcact gggggtcgta cacaacctgg aactaccaag 360

cctgatgagg gggaccggca cccatactct ataatagagt gtgagcctaa gcgtgaagtc 420

attttaccat ctggaatcta catacaaaag attttgcggc gaaggccatt tctcatcaag 480

aaccttgaaa atgttatg   498

<210>   9383
<211>   197
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102c06a1

<400>   9383

4259

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tcgcgagcgg ccgccctttt tttttttttt ttttgaagaa aaacaaaaac tatttataaa    60

aggtttcata cattacatag aacaaagaat gccgggatat acaatccaac aaaacctatg   120

acaagttttc acctacaatt gataaagaat ctattgatat acaaccgtga aaaaaaaaaa   180

taagaataca atataag                                                  197
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<211>      509
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102c07a1

<400>      9384
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aatgctgtgg gggcttgttc agagctcgta tttgctccaa ttgatgaaat gttccctgat   120

gatgctccat tggttccttc tggtttccgc attatcccat tagattcaaa accaggtgac   180

aaaaaggatg ctgttgctac aaatcggacc ctggatttga catctggttt tgaagttggt   240

cctgcaacaa ctgctggtgc agatgcatca tcaagtcaaa acactcgatc ggtgttgact   300

attgccttcc agttcccttt tgacagcagt ctgcaagaca cgtcgcggt catggcacgc   360

caatatgtcc gcagtgtgat ttcctccgtg cagagggttg ccatggctaa tatctccatc   420

tggtataaac ccatcaattg gagctaaact ttctcctggt tctccagagg ctgttacact   480

agctcactgg atctgccaaa gtatagtta                                     509
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<210>      9385
<211>      543
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102c08a1

<400>      9385
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ctttcacgag ggcatttggt agtgctatgt ttttttttctg ctttcgtatg acaagtgtat    60

aattctcctg aatacccagc agaagctatc aacaaaagcc acaccatgtc tggacccctg   120

tctccaaaga catctcttga aaagagtgac cgtgttggtt cattgaagaa aatgctgagg   180

aattctctaa caaggagtaa gaggcgaagc agcagcaagg tcatgtcggt tgaaatcgag   240
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gatatccgcg atgctgaaga gtccaaagct gttgatgagt tccgtcaagc tcttgtcttg    300

gacgagctac tccctgagaa gcacgatgac tatcacatgt tgcttagatt cttgaaggcc    360

aggaaatttg accttgagaa atctaagcaa atgtggtctg acatgcttca atggaggaag    420

gaatttggtg ctgacaccat cactgaggat tttgaattca aggaactcga tgaagtcctg    480

caatattatc ctcaaggaca tcatggagtt gataaagatg gactgaccaa ttacattgag    540

aga                                                                  543


        <210>      9386
        <211>      519
        <212>      DNA
        <213>      Glycine max

        <223>      unsure at all n locations
        <223>      Clone ID: jC-gmf102220102c09a1

        <400>      9386

gaaacagtgt gatgaaaatg aaggtccttg ttttcttcgt tgctacaatt ttggtagcat     60

ggcaatgcca tgcgtacgat atgttccctc tccgaatgaa cactggctat ggtgcccgta    120

ctccggaggt gaaatgcgca agttggaggc ttgctgtgga agcacacaac atctttggct    180

ttgagaccat tcctgaagag tgcgttgaag caacaaagga atacatccat ggcgaacaat    240

atagatcaga ctccaaaaca gttaaccaac aagcttactt ttatgccaga gacctcgaag    300

tccatcccaa ggacacattt gtgttcagta tagatggcac cgtactctct aatattccat    360

actacaaaaa acatggatat ggggtggaga aatttaactc gaccttgtat gatgaatggg    420

ttaacaaggg caatgcaccg gcactgcccg agactcttaa gaattacaac angctggtgt    480

ctcttggctt caagattata ttctggtcag gaagaacac                          519


        <210>      9387
        <211>      493
        <212>      DNA
        <213>      Glycine max

        <223>      unsure at all n locations
        <223>      Clone ID: jC-gmf102220102c10a1

        <400>      9387

atacagacca acctttgcaa atccaaatcc ctggattatc cacaattaca gccgatgatt     60
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ttccaaacga atgcaaagac cccttgagtt acgcttgcca agtcttcctt cagatagcgg   120

aaaccatgat gggtggtgcc gggattatag taaacacatt tgaagccatt gaagaagaag   180

ccatcagagc gttaagtgag gatgcgacag taccaccacc cttgttttgt gtcggacccg   240

tgatttctgc accgtatgga gaagaagaca aagggtgtct gagttggcta aacttgcaac   300

cgagtcagag cgtcgtgttg ctgtgtttcg gaagcatggn aaggttctcg agggctcagt   360

tgaaggagat agcttttggg ttggagaaga gtgacaaagg ttcttgtggg ttgtgaagac   420

cgagttgggt ggtgctgatg actcggcgga ggaactgagt ctggacgagt tgctgccaga   480

gggttttttg aga   493

<210>   9388
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102c11a1

<400>   9388

ctcaccctcc tcttcacaca ttttctgtgc gctctaacaa acattctcgt tcacactttc   60

agattgtgtg aagatggggg cgggtggccg aactgatgtt cctcctgcca acaggaagtc   120

agaggttgac cctttgaagc gggtgccatt tgaaaaacct ccatttagtc tcagccaaat   180

caagaaggtc attccacctc actgtttcca gcgttctgtt ttccgctcat tctcctatgt   240

tgtttacgac ctcaccatag ccttctgcct ctattatgtt gccacccatt acttccacct   300

ccttcccagc cctctctctt tcttggcatg gccaatctac tgngctgtcc aaggttgcat   360

ccttcctgga gtttgggtca ttgcctatga gtgtggccac catgcattca gtgactacca   420

gttgcttgat gatattgttg gccttgtcct tcactccggt ctcctagtcc catacttttc   480

atggaaatac agccatcgnc gtcaccactt caacactggt tctcttgagc gggat   535

<210>   9389
<211>   482
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102c12a1

<400>   9389

ctcaccctcc tcttcacaca ttttctgtgc gctctaacaa acattctcgt tcacactttc   60

agattgtgtg aagatggggg cgggtggccg aactgatgtt cctcctgcca acaggaagtc   120

agaggttgac cctttgaagc gggtgccatt tgaaaaacct ccatttagtc tcagccaaat   180

caagaaggtc attccacctc actgtttcca gcgttctgtt ttccgctcat tctcctatgt   240

tgtttacgac ctcaccatag ccttctgcct ctattatgtt gccacccatt acttccacct   300

ccttcccagc cctctctctt tcttggcatg gccaatctac tgggctgtcc aaggttgcat   360

ccttactgga gtttgggtca ttgcccatga gtgtggccac catgcattca gtgactacca   420

gttgcttgat gatattgntg gccttggcct tcactccggt ctcctagtcc catacttttc   480

at   482

<210>   9390
<211>   538
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102d01a1

<400>   9390

cagaaaacca ggcctaaacc ttctcctcct atctccttct ctgcaaaccc aatcagagtg   60

acaacaacct agtgcggttc caatcaaaca aagatggtta atgcaaaaac cgaggtaccc   120

cataagagtg tccttagtat caagcaagat gacaagttct tctgcaggct tctttcaaag   180

gaaagctcca tggccaaccc ttctttcaga atagcccttg ctgtgccatt tgtgtgggaa   240

tctgagccag gcaccccaaa acacaggttc tctgaggaca cactccctcc tttaactcct   300

ccaccttctt accatttttag caatatcaat agctacaaga agaaagagaa gaagcactca   360

tcaaagtcca gtctcttgct cacaatgcta ccaaagatga acctcatcaa gaaaatgatt   420

ctctcatccn catcatcata cccttcttcg tggccctcat cttcttcaag ctccttcaaa   480

gttgtcccta tgngcaagtt tggcaagaag aagctcttaa gctatgatca tgtatgat   538

<210>   9391
<211>   491
<212>   DNA

<213> Glycine max

<223> Clone ID: jC-gmf102220102d01d1

<400> 9391

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acaataaaaa ccacatttct tgcttaatat gaggttacat aaaagtaatg tacctcagtt   60

ctcatatggc acattctaag cacacaaaaa aaaggaacta tgatcatttc aaactgcaca  120

aaatgtttaa gatacactca caccagaaaa tatgaccttg gaagcaagct tgtaatttga  180

gaggacaaaa ctctcaagac caattctagc atagaaaata gattgtcctc taagcatgaa  240

gaagagtatt agctagctag aaaaatttac aaagaaatac tatataagca gcacattgtc  300

cactccagat ccaaggccaa gcaatctaac aggtcttatt accttaagaa ctttagaatc  360

cactgtctta actgcaggtg gcacggggaa cgctaaagca caatttggaa gagggtgaat  420

tagcaccacc accacattct tcacaatctc ccttgaaatc attacatgat ccatagctta  480

agagcttctt c                                                       491
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<210> 9392
<211> 519
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102d02a1

<400> 9392

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tgatattctg cttgatgccg cagtatatgc tgagactgat tacttgaggg gagtcactga   60

aaacataatg ttaggtcaac ttgcccccat tggcactggc gaatgtgcct tgtatcttaa  120

tgatgaaatg ctgaaaaatg ccattgagct ccaattgcct agttatatgg atggtcttga  180

ttttggtatg actcctgccc gttccccaat atctggaact ccatatcatg aaggcttgat  240

gtctcccagt tatttgatga gcccaaattt acggctctct ccaactagcg atgcacagtt  300

ttcaccttat gttggtggga tggcattttc tcctacttca tctgctggtt acagcccatc  360

atccccaggc tatagtccct catcacccgg gtacagtccc acttcacccg gatacagtcc  420

cacgtcaccc gggtacagtc ccacgtcacc tgcgtacagt cccacctctg cgacttatag  480

tcctagctct ctcggatata gtcctacaag tncagctta                        519
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<210> 9393
<211> 443
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102d02d1

<400> 9393

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attgcaaatg tatctttta taggggccaa tatcatccgt caaaacttta catgcccatg    60

tggaataaat gttttcaaga ggatgaccca tcacaacaca ggcctcaaaa aaggttcaag   120

ttcaaagcga aatttgaatt catacttgga caaactggtc cgaaaacatt ggtaacagag   180

actcaaatga tccggatgat taatacaatg caaactaata gccctcgaac agctcaaggg   240

gtgatcccag catagcataa ggcctctgtc cagcctaaag ttgacctcag cgagggccta   300

catcatcctt cgcactagtt tgtggagtgt accgcctggt taaaaattga gagtaaccag   360

gttgacttgg ggacgaaccc ggactgggac taaattgggg cgaacttggg ctatagactg   420

ggctcacacc agaattataa ggg                                          443
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<210> 9394
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmf102220102d03a1

<400> 9394

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cagaatcgtc atcctcaaaa tttatgatta tattttcttt ctctacttcg tcactacctc    60

tttctcatga gagagtatgt tactgcgcaa agaacaacaa actaattagg tactgaccat   120

ttccgtctat atataaggcc aataacccaa cacgttctat aaacatatag tgactaacct   180

cccactgaag agtaattggt ggattccagc aatggccgtg gttcatggca gttgggtcaa   240

gcttgatcaa agaggagaag ggcaaggagc gagaagctca catgctatag ccatagtagc   300

acagaaggtg tatgcatttg gtggcgaatt cgtgccacgt gtccccgttg ataacaaact   360

tcacgtgttc gacctagaga ctntgacttg gtccgtggct gatgcatcag gggatgcccc   420

accgncacgt gtcggtgtca caatggccgt agtgggagaa accatatatg tctttggtgg   480

aagaganntg tgacacaaag a                                            501
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<210> 9395
<211> 401
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102d03d1

<400> 9395

gagaattgat cacacactta ataatatatt ccagtacaaa agcacaagta cattcacaag   60

ctacatacaa tcagtataaa agattcccta attcccatgc cattgtcctc tgacagggtg   120

ataaatctag ttgtaattca tcatatcatc taattgagaa ttaagcacac acttcctaat   180

ttgtttcact acgcaagaac attcacaagc tactaaattg accatcaacg attcataagt   240

tctcatgtca ttgcccactc attgacatca tagacacatt tagaatccat catagattat   300

gcgaccatat catactattg caccaaccct tgagaaagag caaggaagaa gatgtcatcc   360

agcctattat tactaggaga gttgccagca tacagcaaca a   401

<210> 9396
<211> 312
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102d04a1

<400> 9396

gcatttagaa caggtatagc ccgccgattg tgatgtcaaa accgtgggcg atactctgct   60

acgtactcta attcgtactg cgcaatgcca atcattatag cgaacccttg cccggttaca   120

ctgacaaccc ctaccgacaa caatgactac cctgttcagg ctaaccataa cacatcccta   180

caccccaccg caccagatcc aatacctgac aactgagacg acgccgacgg cgacactttc   240

gactgataca ccttaaattc cccgacgccc gagtctggaa acgacgcttc gctctccaaa   300

tttcaaaaca aa   312

<210> 9397
<211> 478
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102d05a1

<400>   9397

tttaaacttg gcagaataac caccatagtt atctcctctc ctcaagtagc caaagaagta   60

ctacttgaaa atggtcaagt cctttctagc agaacaattc cacattcagt ccatgcactt   120

gaccatcaca tatactctac tgtgtggctg ccaccatcag ctcaatggag gaaccttagg   180

cgagtttgtg caacaaaat attctgtcca caattgcttg actccactca aatccttcgc   240

caacaaaagg ttaaagattt attggatttt gtgaaagaac gatgcaagaa aggtgggcgc   300

tgtggatatt gcagaaggtt gtctttacaa caatccttaa ttccatttca accactttct   360

tctctatgga tttgcctgat tctacatctg aaaagtctca tgagttcatg aacattattc   420

gaggcataat ggacgaaatt ggtaggccta atgttgcaga cttgtttccc attcttcg   478

<210>   9398
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102d06a1

<400>   9398

cctttaccat accattacaa taattatcaa acctaaccag ctaaaatggt gaccgtggag   60

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acgccgtcca actgcgtctc ccaagccgat taccctgact actacttccg cattaccaac   180

agcgaacaca tgactgatct caaagaaaag ttcaagcgca tgtgtgaaaa gtccatgata   240

aagaagcgat gcatgcacct gacggaggag tttctgaaag agaacccgaa catgtgcgag   300

tacatggcgc catcgctgga cgtgagacaa gacgtagtgg tgatggaagt gccgaagctg   360

ggaaaacaag ccgcaacgaa agcgattaac gagtggggtc aaccaaagtc aaagatcaca   420

caccttgagt tctgcaccac ttcaggcgtg gacatgcacc gagcagatta ccagctcacg   480

aagcttctc   489

<210>   9399
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102d07a1

4267

<400>   9399

atttcttacc tcttggcatg gccattcaaa tgtcttcttt tgtctttggt tctcttacaa   60

ttttattttg cttctcttcc ttggagaaga gttttgcctt tcaaacaaca aaggaggaca   120

cagaaagcaa caatcttcat caatatactc atcttgttca cctcagctca ctccttcctt   180

catcttcctg cagctcttct gccaaaggtc ccaaagaaa agcatcatta gaagtggtac   240

acaaacatgg gccatgctcc caactgaata atcatgatgg caaagcaaag tctaaaacac   300

cacacagtga gattctgaac caagacaaag aaagggttaa gtacattaac tcaaggatct   360

caaagaactt gggccaagat agtagtgtga gtgaattgga ctcagttaca ctaccagcca   420

agtctggtag ccttattggg tctgggaatt actttgtgga tgttggtctt ggaacaccca   480

agagggactt gtcactcatc tttgacactt gcagtgatct ca   522

<210>   9400
<211>   534
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220102d08a1

<400>   9400

gcaacacgta tcactgtgtt tggaaagttg taaggagctt ttaggcaggc atcgtggagc   60

cctttggct ctcaatcatg ttttgggcag aacaattcaa gtagcaatcc ttttgctctt   120

aagccatttg gtagtacaac tccatttggc tcgccaattg attttggagg ttcttccact   180

ggagttgctc aactgtcttc tccattcgct tcaaatacag cattcagttc ttcatcgtca   240

ccagcttcag tagttcagtt ccctcttttt ggtcatcttc aactcctgat tttggtagtt   300

catcgtcatc atttggtgga tcatcagttt ttggtcagca gcctgctttt ggaggctctg   360

aatctacttc tactcaaaca ggaccatttg gtgccaccca gccatcacaa ctagcatttg   420

gaaacagcat atttggtttc tcaacatctt ttggtgcatc atctcaacca gcatttgggg   480

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<210>   9401
<211>   480
<212>   DNA
<213>   Glycine max

4268

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102d09a1

<400>   9401

cgcaagcaaa aagaaagaat cccaggcgag gagaaagatg gaggggaagg agcaggatgt 60

gtcgttggga gcgaacaagt tccccgagag acagccgatt gggacggcgg cgcagagcca 120

agacgacggc aaggactacc aggagccggc gccggcgccg ctggttgacc cgacggagtt 180

tacgtcatgg tcgttttaca gagcagggat agcagagttt gtggccactt ttctgtttct 240

ctacatcacc gtcttaaccg ttatgggagt cgccgggggct aagtctaagt gtagtaccgt 300

tgggattcaa ggaatcgctt gggccttcgg tggcatgatc ttcgccctcg tttactgcac 360

cgctggcatc tcaggggggac acataaaccc ggcggtgaca tttgggctgt ttttggcagg 420

aagttgtcgt tgcccagggc gattntctac atcgtgatgc aatgcttggg tgctatttgt 480

<210>   9402
<211>   519
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102d10a1

<400>   9402

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tgaagatggc caaatcaaat tttgggatat ggacaacatt aatcttttaa caagcactga 120

tgcaaagggt ggactacaga cccttccaca cttgagattc aacaaggaag gaaatcttct 180

tgctgttact actgcagaca agggattcaa aattcttgct aatgctaatg gtcttagatc 240

cttgagaaca gttgaaactc caggatttga agcattgagg tcaccaattg aatctgctgc 300

agtcaaggca tctggctctt ctgctgttaa tgttagtcct gtcaactgta agtagaaaa 360

gagctcacct gtcgggcctt ctccaattct taatggagtc gataccacag gtcaaaatgc 420

ggagaaacct agaactgtag aagatggagt agatagagct aaaccatggc agctgtctga 480

aatgtgggat gctgtcaatg tcngtaagta ccatgcctg   519

<210>   9403
<211>   531
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102d11a1

<400>   9403

gagaatggct cccaagggtt taacctttct ggctgtgtta atatgcgttt cagcactgtc   60

actgagtcct tctgttgcgg gggaagggca aaataatggc cttgttatga acttctacaa   120

ggaatcatgc cctcaggctg aagacatcat cacagaacaa gtcaagcttc tctacaagcg   180

ccacaagaac actgctttct cctggctcag gaacatcttc catgactgtg ctgttcagag   240

ttgtgatgct tcactgttgc tggactccac aagaaggagc ttgtctgaga aggaaacaga   300

tagaagcttt gggttgagaa atttcaggta cattgagacc atcaaagaag ctttggaaag   360

agaantgccc tggagttgtt catgtgctga tatcctcgtt ctctctgcca gagatggcat   420

tttttcgctg gaagtcccca tatccctctt aagactggaa gaaggatggt agaaggagca   480

gagctgatgt ggttgagcag ttccttccag accacaatga gtccatttct g   531

<210>   9404
<211>   457
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102d12a1

<400>   9404

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gcatctgagc gtggttcacc ctatttacaa acttctgttt cctcactatc gtgacaccat   120

gaacattaat tcacttgccc gcaaatcctt ggtcaatgcc gacggtatta tagagaaaac   180

attcttgtgg ggtaggtact ctatggaaat gtctgctgtt atttacaagg attgggtttt   240

caccgatcaa gcattgccta atgatcttgt caagagagga gttgctgtta aggatccatc   300

tgcttcccat ggagttcgac ttttgatcga cgactatcct tatgcttctg atgggctaga   360

gatatgggat gctatcaagt cttgggtaga agaatatgtc tcattctact acaagtcaga   420

tgaggaactt caaaaagacc ccgagctcca agcttgg   457

<210>   9405
<211>   472

<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102e01a1

<400> 9405

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cgaagaagaa gccacagaga actagtctcc tactctcacc cgcaagaaaa aaatggcatc   60

tcacatcgtt ggataccccc gtatgggtcc caagagagag ctcaagttcg ctctcgagtc  120

tttctgggat ggcaagagca gcgccgagga tttgcagaag gtgtcttctg atctcagggc  180

atccatctgg aagcagatgg ctgatgctgg gatcaagtac atccccagca acactttctc  240

tcactatgac caggttctcg acgccaccgc caccctcggt gccgttccac caaggtacgg  300

ctggaccggc ggcgagattg ggtttgatac ctacttctcc atggccagag gtaatgctac  360

cgtgccagct atggagatac caagtggttc gacaccaact accactttat tgtccctgaa  420

ttgggccctg atgtgaactt cacctatgct tctcacaggc tgttgatgaa ta          472
```

<210> 9406
<211> 393
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220102e01d1

<400> 9406

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gcacaaaact ggtaaaattc cagatcaata aggattgcgg cgaagccgca aagatacaac   60

attcattagg gaaaacagga gtggggaaaa ataagggggg aggggttgag gaagaatcaa  120

ttgcttacag agcatgctaa gacacctaac tatttcacac acagttattg aaacaaccca  180

atatagagaa aatttttcta cggtgtatta taatataaag cagagccaaa tgactaggaa  240

gattctactt tcttatacca ttcacttggc aagtttcgtg cggatgagtg ttgctgcggc  300

aaccatgtct gtgagggctg gcttcaccta agtgtactta cgggtcttga gcccacagtc  360

agggttcagc cacaggatgt gcttttacga gca                                393
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<210> 9407
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223>　　　Clone ID: jC-gmfl02220102e02a1

<400>　　　9407

cgcacgggtg cgtagtgcgt accccagcag gaaatggatt acactaggat acagaagtaa　60

tctgttatcg ttattccttc caccctgccc ggtggaacca aacgaagaag acgttccgtt　120

ttccctctgc ttttccaagt tttcatcgac tcaaccatgc tattcttaca taactagggt　180

taggagttag ggcgttctta tcgttttcgc tccgttaatt acaacaacgg ccaacatggt　240

tgttctttcg ctttcacctc ccagcctctc taccgctttc ctcgcaaaga aactgtctcc　300

ccaagaacac gcggtgaagc tagcgacctt cgcaacaat tcatttcgca ttagatgcgc　360

ggtggatacg ccctatggag gggaatgttc aaaaattccc tcgaccaatg tttgggatcc　420

ttaccgacgc cttggtatta gccctgatgc ctctgaagaa gaaatctggn gatcaagaaa　480

ttntctggtg caacaatact ctgggcatga aaggagtgaa gaatcaatag a　531

<210>　　　9408
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<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220102e02d1

<400>　　　9408

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aatgctggca ggtatacggg tgaaggcaat ggcggatccg ccggaatcc ggctccgtga　120

gtggtgcaag cagggtgatg cggccgcggc gttgacaggg tcacagtgcg gcgaaaactg　180

ctgccaacaa gactgaagca tgctgagcgt gctgcgcgag caccttgcct ctgatatcac　240

caacgtacgc tgcgagctta cgccttacgt gctacgacgc cgac　284

<210>　　　9409
<211>　　　499
<212>　　　DNA
<213>　　　Glycine max

<223>　　　unsure at all n locations
<223>　　　Clone ID: jC-gmfl02220102e03a1

<400>　　　9409

aaaaataaca attaaccaca cgactcacga cccagtaacc gggttctgca aatttcgcca　60

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cttgcagatg aaaagttcca aactttccac tccaatcccc ggttaaatcc taaccccttg   120

ttcctttcac tgtaagcatt cctcaatttg acaattttct cctctctcca caaaatgatg   180

tgtgtgccac tttctctctc ctcaattggg gtgtgaaagt ttccaccttt ttctttcttt   240

ctttctttct ttctttccat tatctatgtt agttttgcat tgtttgttgt ttggcttgca   300

atcttgttgc atgctggtgt tggtgttggt gtcccaattc actctcaaat ttcacggttc   360

ttagaactac taggaccttg ccaccaccat ggctgccaaa aaggcatgtg agacattctc   420

aaagtcattg attgaggatg tgaatagatg gngttgcttg aagcagacag gtgtgagtct   480

caggtacatg atggaattc                                                 499
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<210>        9410
<211>        346
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220102e03d1

<400>        9410
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agctactagt ctgaggccga cctttttatt ttttttttg aaggccaata aggggggtca    60

tcaccatgca caatgtttgg taccacatat ttacaggaaa tttgtctaat gattagaatg   120

tgaaaaattg acagcagata gttctttgtg tgaattatgc tatcaatggt gttgtaccta   180

gcataatgga actgagctac ttacgggaac tgactgaaaa gtactttcaa ggccaaggct   240

gttgcgaatg ttccaaacga gacagatgga tatttgcatg actgccatat cctttcatag   300

aggatattcg aagagcacgt tcaaagtacc gagcatatat actact              346
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<210>        9411
<211>        502
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220102e04a1

<400>        9411
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attcggctcg aggaaggctg ccaacctttt gatggatgaa aattgtgtac aatgtttcct    60

ttatctgttg tttcttaaaa gtataatctg atgcaatgct tcttctgctc ctcccccccct   120
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caatgactaa cataatatag cacatgtgtg gctaaataca gtgaattcta taaactgggc  180

atacagaact gaaagtagta catttgttcc attgcagact gtaaaggtcg ctgattttgg  240

ggttgctaga gttaaagctc aatctggcgt catgactgca gaaactggaa catatcgatg  300

gatggctcct gaggttatag aacacaagcc gtatgatcac aaggctgatg tatttagttt  360

tggaattgtt ttatgggagt tgctcaccgg aaagcttcca tacgaatatt taaccccact  420

acaggcagct ataggagtgg ttcaaagggt ttgcgaccca ccatcccgaa aacactcatn  480

caaagttgtg gagcttcttg ag                                          502
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<210>   9412
<211>   550
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102e05a1

<400>   9412

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gtttctgctt gcggccaacc aagcagcaat aaacgcaaac ttacaaactg gtttattctc   60

aaacactttc tttttctctc tcttcaagct ctctcccttc ttctatacga tacgaagttt  120

cctctatctt ctcttctctg agggtagctt tgattcattg aaggtttttc cttcaccaac  180

tttccagagg aagaaagtga cttgatttct gggcctgctc gttctattac tgagaaacca  240

aatacatgat actaaaaact caaatggaag aaaagcagtt agattttaat cagcctcttt  300

tatcggtaag gcgaatctca tcaacggcgg cctctgaaaa tgacaataaa agaaaagctg  360

agtaatcagt gcggaaacga cctcctcttc cgttttacaa atcagagtta aaatcaggtc  420

cagtgactaa ccctggaact gttacttttg tatgggagaa gactcctggn agacctaaga  480

atgaaagcaa actacaaaca agggctgtcg aacggccttc cgttgctcca aagcttccac  540

ccgggagggt                                                        550
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<210>   9413
<211>   512
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102e06a1

<400>   9413

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tgtggaaata tggcaaaact tggagactgt gcagctcatt tttttattgc agcaatggtt   120

ttgagcacgt tttacgtgac caaaactgtg gcacaatcag aaattgcacc cacatcgcaa   180

atggagactg gtgcagggtt tgctttgtct gtttctgggg tgaccttatg ttcttctgtg   240

ttggtttcta ttgtggcatt tatgatgcag tgaattgcaa ggcatattgg ctcctattca   300

tgtttgattg gtcttatcat gtacgtgttg aaattatatt ttatgatgaa tttaaagggt   360

tgtttctgtt tctttactat gcttgcttct tgaacacggt cctgtcgttt ttggcattgt   420

aacctagtac tagctatatg atgagttaca tgtctgtaat tttcgccaag tacttaactg   480

gtgcatgtga atagatatga tgtaattata ta                                 512


<210>      9414
<211>      525
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102e07a1

<400>      9414

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tgacaacgtc aaggccaaga tccaggacaa ggagggaatc cccccagacc agcaacgtct   120

catcttcgcc ggaaagcaac ttgaggacgg gcgcaccctc gccgactaca acatccagaa   180

ggaatcaacc cttcacctcg tcctccgtct ccgtggtggc atgcagatct tcgttaagac   240

cctcaccggc aagactataa ccctagaagt cgagagctcc gacaccatcg acaacgtcaa   300

ggctaagatc caggacaagg agggtatccc cccagaccag cagaggctga tcttcgccgg   360

caagcagctc gaggaccgac gtacccttgc tgactacaac atccagaagg agtcaactct   420

ccacttggtg ttgcgtcttc gtggtggtat gcagatcttc gtcaagaccc ttacgggtaa   480

gactattacc cttgaggtgg agagctccga caccattgac aatgt                   525


<210>      9415
<211>      526
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102e08a1
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4275

<400>   9415

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ctgtataata tgcaaagaga cagaaagaag ggcagtaagt atcctcccgg ggagtcttct   120

aatcctcaat catcagaaaa agatgatcac aataatgata caaatcttgc tgaaggatct   180

agtaaaccag agctgagtaa caagaatact ccacaatcac tgaaggccaa atctaaaatt   240

gttaagaaat ccaagggtgg taagttcaag accataataa ataaaggttc tcaacagatt   300

gggggaaaga gaagacttag aaagaacaaa aaagtagtgg gcaatagtga tgaactgcct   360

aaagagaaga gtgagaaaga tggaaggaat aaagagaagg aaagtcaaaa taggagcact   420

catgaaaaaa gtcctattga gaatagccat cgagctgaaa aaaataagat cattaaggtg   480

gataagagcg aacagaagca gaagaataaa gagaaacata cagagt   526

<210>   9416
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102e09a1

<400>   9416

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ttcacaagag attggatttt ggaatggaaa gggtgttgtc agtagatgag atatcggagc   120

aatactgggt ggctgcatca tcttcttcat catcatcatc atcatcgttc aagtcaaaga   180

tgaaccggag cgaatccgaa tgggcctttc agcagttcct acagcaggaa gctgcttctt   240

cttcatctaa ttctgatcat gatgatgatc atcatcatgc taaactcaaa aaggaatcca   300

acaccaacat ccctgttact ctacatgttg attcccaaga ctaccatgct attcttaaga   360

ccaagcttaa tctcgcatgc gctgctgntg ctatgactcg gggatctttg gtcaaatctc   420

aaaaccctga cagtggacca caggcatcta atttttctga agttggatcg catggctacc   480

ttaaaggatc tggcccttttt ggaaatgatg atcccctcta attacaaaat aaaga   535

<210>   9417
<211>   487
<212>   DNA

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102e10a1

<400>   9417

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cactttcttt ctctcacaaa tcacaatgtg ctccgataac tacaatctct caattcccca   120

ttaattaaaa tcaaaatcaa aatctaatct gggtttctcc catcagagga caaagcttcc   180

gactttgcgg gattcgttcg tatttgtttc agtgctgtga tggggaaggt cgcggtggga   240

gctgccgttg tctgcgccgc cgccgtatgc gctgcggcgg cgctggtggt gcgccaccgc   300

atgattagtt cccggaagtg gagtcgcgcc atggcgatac tgaaagagtt tgaggagaag   360

tgtggcaccc caattgtgaa gctaagacaa gtggctgatg ccatggatgt tgagatgcac   420

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tcccaac   487

<210>   9418
<211>   536
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102e11a1

<400>   9418

caggacgtag gtgagacact gagctcactt aattttgcaa ctagagtgag gggtgttgag   60

ttaggtcctg ttaagaagca aattgataca agtgaagttc aaaagatgaa agcaatgctt   120

gaaaaagcac ggagtgagtg cagaattaaa gatgaatcta tgcgaaaact tgaagaaaat   180

ttgcaaagct tggagagtaa ggccaaaggc aaggatcaaa tttacaaaaa tctacaagaa   240

aagattcaag aacttgaggg acagattgag ttgaaaagag ccatgcaaaa tgactcagag   300

aaaaaaatct ctcaattatc tgccaaattg agagggaaag aagaaacctg cggtactctt   360

cacaaaaggt gaaagagcta gagaaaaaga tgaaagaaca actgcagtca gagtcagcaa   420

gttttcaaca gaaggtttgn gatctagaga aaaaactgga agatcagatn gcagggtctg   480

agtctgaaat ctgctatttg aaaagataga tcaggagctt gagagaaact gaagag   536

<210> 9419
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102e12a1

<400> 9419

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gaaactgatg acaggaatca ttcacattaa gccacgatgc aacctttttgg tttctaatgc   120

aaagaggttt gttgatggtc ttctctttga ttgcttgtgt gccttgaatt acacactgag   180

gatagtttgg ttccatagtt gcagcaattt gtggtttgta agaaatttcc aatttgctga   240

ctcatgcaag ttcattgatg ctattcatgc tggaaatggg gagattgacc ctacacttct   300

ctctaatttt agcataaaaa gtgtggcaag tgtttgttgt aagctgtaaa cgccacttgc   360

attcaaaata atgcacaaag attttctgcc taagtttatg gtaggtgctg tgctaggtgt   420

gcatatctct tccacttcgg tccgttgtaa agatctctag gttggatgat nttttattta   480

ccactagaaa tttagaatct g                                             501
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<210> 9420
<211> 546
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102f01a1

<400> 9420

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tgcatggaaa gaagaactgt ggccagcatt ggatgaattg cttagagatg aggacgatgc   120

aactgtgtct acaccttata ctgctgcagt tttggagtac cgggttgtta ttcatgatcc   180

attggaagca tctgtcgacg aaaagaagtg gcataatgta aatggtcacg ccattgtgga   240

tgctcaacat ccagtcaggg caaatgtggc tgtgagaaag gagcttcata ctcctgcatc   300

tgatcgatct tgcactcatt tggaatttga catttcaggc actggagtta catatgaaac   360

tgggggaccat gttggtgttt actgtgagaa tttgtctgaa actgtggaag aggcaataag   420

gttaataggt ttgtcaccag atacctattt ctcaatccat actgatgatg aagatggcaa   480
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4278

accacgtagc ggaagcttct tgccacctac attcccaccc tgactctaag aacagcactt   540

acacga   546

<210>   9421
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102f01d1

<400>   9421

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ttctttgagg ttcatcatac attacaaaaa gaaaactgaa gtaaaatagt tcatagtcta   120

ggtataaaca gtatataata aattacacga accaaaaaga atcctttaga aaatatagtg   180

aaaaagaatc gtaggaaatg tcgtcgcgat ggcaacaagc gcccccctc aattttgagg   240

gcactaatga aaggtggcac aaataaggcc ctttcaaaat cctctagcca caactctatg   300

tgttattaat atcttcgtca cccccacgga ttgcattcag atatcatcac catacatcgc   360

gcaaatatct gccagtagtt tgtagattct ttaccatgct ctcagccttg gaactatcga   420

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tggatcacca cacacataaa tgtaa   505

<210>   9422
<211>   526
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102f02a1

<400>   9422

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tgctctctct cttcactctc tgctcaccct tttccccttt catgtcttca atcaccgcct   180

ctccttcagg gtctccaaaa accctacttt ttaatttcca tcccaaccct tttcttttt   240

tccatactgg gaatttaata ttcaatttta gcctcctggg tttccaacct ccatctcctc   300

4279

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accaacacga gtgattcaaa gatgtttcta tttgggtcat ttactgaaga tgaaactcaa    360

tcattgctgt caaagcagtc ttctggaaaa aaggaaaaac ctgtggagaa gaatcagctg    420

caatttggtt ctctgaattc tggtactggt gagtcaaaca acctgctaaa ttcatcgaaa    480

tcaccagata attcttcacc ctctgattct cagaaatgtn atggag                   526


<210>      9423
<211>      367
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102f02d1

<400>      9423

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ccatgatccg tggtgccggg actatagtac acacattgga agccatcgat gaagaagcca    180

tcagagcgct aagtgaggat gcgacagtac catcacccat gactggggtg ggacccgcga    240

ttacggcacc gtatggagaa gatgacaaag ggcgcccgag ttggctaaac ttgcaaccga    300

gtcagaccgg cgtgttgctg tgatgcggaa gcatgggatg gttctcgagg gctcagttga    360

aggagat                                                              367


<210>      9424
<211>      476
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102f03a1

<400>      9424

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gaatttgttg ttctttcaca atggaacaac ctccttcctc gtctcttcag gtggagacag    120

cacaacaacc gggacctagt cctctccgaa aaatgttcgc tgtctcgtca atcgccgcgg    180

gaattcaatt cgggtgggcc ctacagctct ctcttctgac accgtacgtc cagaccctcg    240

gcgtccctca cgcatgggcg tcgttcattt ggctctgcgg cccaatctct gggctgcttg    300

tgcagcccat tgtagggtac agcagcgacc gatgcagatc ccgctttggt cgccgacgtc    360
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4280

ccttcatctt cgtcggagcc atcgtcgtcg caatagctgc gttcctcatc ggctatgcag   420

ccgatatagg acacgccgcg ggtgatgacc tcacgaagaa gagccgtcca cgcgcg   476

<210>   9425
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102f03d1

<400>   9425

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atgatacaca ctcaccaaat ttaaattaaa agtctccatc taatattgtc ccatgcatgt   180

aaaactctat aatatatact aatggaaact cccagcagtg acggaagtaa ccttggtcac   240

atctgctggc tatggtgttg gcagcagaac aaccgctaac acggcactca cggcagtcgc   300

cacggcaccc aacacaaacg ccggtcagtt ggcaccacca aaccacttat cccactgtcc   360

acttatagcc gatactatca tctgtggcac gacaattgca acattgagga caccccagga   420

taaaccttgg cctgctc   437

<210>   9426
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102f04a1

<400>   9426

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agtggtggaa cctctatggg acttccgtca atgggtcaga ctcctgttgc catgcacatg   180

tcaaacatga tatctagtgg gatgacatct tctgtacctg cggctcaaaa tgtattttca   240

tctggacagt caggaataac atcaatgact agttctggac ctcttactgt tcctgcacag   300

gttggacaaa attcaggtct cggatcatta acttcgaaca cttctaattt gtcttcaagt   360

tcgaacattg ggatttcaca accattgggt aatcttcaag gggttgttag tattggacaa   420

caagtgtctc gtatgagcca aggaaacctt tcangggccc aaattgttca aggtggagtt   480

agcatgaacc aaaatggtat gagtg   505

<210>   9427
<211>   546
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102f05a1

<400>   9427

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tatctcacca aacataaaag atggatgatc caaagggtag ttcctcatgg ttaaaaattc   120

taaatataag tgacatattt ggctggaaag atcatggaga gtatggagct cttgcagcta   180

tagtcataag cattcttgtt cctgtcttgt tttcagcttt gttctttgga aaaaaaaaa   240

ggaaaaataa gaggtgtgcc ggtagaagtt ggtggtgagg aatgttttgc agtacgtaat   300

gctagaaaaa ctgagttggt tgaagttcct tggaaaggag ccccaaccat ggctcatcta   360

tttgagcaat cctgtaataa atatacctgc aatcgatttc ttggaactag aaaactaata   420

caaaaggagt tggttacatc tagtgatggc aggaagtttg agaaacttca tttaggagac   480

tatgaatggg aaacctatgg agggtattng ctcgcgtgtc caattntgca tctggtcttc   540

ttaaat   546

<210>   9428
<211>   510
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102f06a1

<400>   9428

caggttgctt atatatatat atgggtcaca taaaaattct tttttgcctt tcttggggtg   60

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atttactccg tttgtgtaaa acatgcaaca tttacagccc ttacatgctt ttaaacaaag   180

caaaaagcac cgaataaagt aggttctgac tctgcatgct ttcttgctct tggggtggt   240

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attaaaggca tactttata gcatgtcatt gtttgaacac aggaccagtg tgcgatgtgg    300

ggctgctgct ttattcatct ttttttattt ttatttatct cttattgatt tttcggaaag    360

ggtcttctac cttcctagtt tctagtggaa gataaatttt ggtgtcttgg gtttaaatca    420

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ctcaagactt ccaaggtcat aaatgtacat                                     510


<210>      9429
<211>      502
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102f07a1

<400>      9429

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tgacaacgtc aaggccaaga ttcaggacta ggagtgaatc ccgacagacc agcaacgtct    120

actattttcc ggaaagcaac ttgaagacgg gcgcaccctg ggcgacttca acatacagaa    180

ggaatcaacg cttaacctcg ggctccgttt acgagctggc atgcaaatct ttgctatgac    240

cctgatagtg atgactatga ccctagaagt cgacatgcta cacaccatct acatccgtaa    300

ggctaagatc caggacatgg atggtgtact gccacacctg cagacgctga tcttcgtcgg    360

tagcacctcg aggacggacg tacccttgct gactacaaca tccataagga gtcaactcat    420

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actattaccc ttgaggtgta ta                                            502


<210>      9430
<211>      476
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102f08a1

<400>      9430

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aagctgcatt tgcagtggcc tcactctccc tctctctccc caccattttc cccttcgtcc    120

aacccacgaa tatcccatca accacccttc aaccaaccaa gctcaaagtc ccaacccaag    180
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cctcatcCct cacacacctt tctctctcca ccaccactcc tcctccttcc aaaacctcct 240

tcaaatccac cgtctccgcc aacccctcc acgccctct ctccctcgct ccccaccgcc 300

cccgcgaccc ttccaacgcc gccgccctcc gacgcgccgc cgtcgtctgg ttccgcaacg 360

acctccgcct cctcgacaat gagtgcctca ccgncgncaa caacgactcc ctctccgtcc 420

tccccgtcta ctgcttcgac ccctccgact accgcaagtc ggcatccggc ttcgac 476

<210> 9431
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102f09a1

<400> 9431

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ccactattgc acttcttcct cgttctccct cttttcttc ttcttcgcta aacccttttt 120

tctatctcac taacacaaca atgggagacg agaagaaggg caagcctgct gcttccggcg 180

tgtggtccac catcaagcct ttcgtcaatg gtggagcctc cggcatgctc gccacctgcg 240

tcattcaacc catcgatatg atcaaggtga ggattcaact tgggcaagga tcagctgcgc 300

aggtcacttc caccatgctt aagaatgagg gtttttgctgc cttctataag ggtctatctg 360

ctggattact caggcaggct acatacacca ctgcccgtct tgggtcattt aaaatcttga 420

cggccaaagc tattgaggct aatgatggga agccccctgcc actgtatcag aaagctctat 480

gtgggctgac tgtggtgcta tcggagcaac tgttggagtc cagcagatnt ggcactca 538

<210> 9432
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220102f10a1

<400> 9432

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gatttcaggc tcaagttctg caaaggcgaa gagcgtttgg ttcttctcaa cgaaacagag 120

4284

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aaacgagagc tcatggtgcc aggtttcaga cccatcagag atgtctccgt tgacatcaaa   180

tgcgacaagg gcgatcgcac ccgctaccaa tccgacatcc tcaccttcac ccaaatgtca   240

gagctcttca accagaaaag ttcaatccct gggagaattc catctgggta tttaacaccg   300

tgtttggatt tgacgagggt tcatgggcaa ctgatgcagc taaccaaagt gtntgngtat   360

tgatggctac tntatcaaac tcttcaatgc tcatattgat cg                     402


<210>      9433
<211>      538
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102f11a1

<400>      9433

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gggtccagtg gtgttgttcc tccacggctt ccctgagctc tggtactcat ggcgccatca   120

gattctctct ctcagctccc tcggctaccg cgccgtcgct cccgatctcc gtggctacgg   180

tgacaccgaa gcaccacctt caatcagcag ctacaactgc ttccacatag tgggtgatct   240

cgttgcgctt attgactctc tgggtgtcca acaagtgttc cttgtggctc atgactgngg   300

gagccatcat agttggtatc tatgcatgtt tcgccctgac aaagttaagg cctatgtctg   360

cctcagtgtc cctctcctcc gcagagaccc aaacatcaga acggtggatg gcatgcgtgc   420

tttgtatgga gacgactact atgtctgcag atttcagaaa ccagnggaaa tggaggctca   480

gatggctgaa gttggcactg agtatgttct cgaaaacatt cttacaactc gcaatcct     538


<210>      9434
<211>      506
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102f12a1

<400>      9434

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gcagagtttt ggagcttcgg ctccggctaa cggtggcggt tcgggtcagc cgaagcagag   120
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ggttagagcc aggagaggac aagccacgga cccacacagc atcgccgaaa ggttacggag   180

ggagagaatc gcagagcgaa tgaaggccct acaagaacta gttcctaatg ccaacaagac   240

tgacaaggcc tccatgctgg atgagatcat cgattatgtg aagttcctac agctccaagt   300

caaggttttta agcatgagca gattgggcgg tgcagcagct gtggcacccc ttgttgctga   360

nggtggcggt gactgcatcc aagccaaacg cagcaactca aacgacagcc tcgccatgac   420

ggagcaacag gtggcgaagc tgatggagga agacatgggt tccgncatgc agtacttgca   480

gggcaagggt ctatgcctga tgccta   506

<210>   9435
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102g01a1

<400>   9435

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tgttagagag gtcgagaagc caggatcaaa gcttcacaag aaggaaactt gtgagcctgt   120

tacaattatt gagacccctc caatggttat tgttggtgtt gtgggttatg tgaaaactcc   180

acgtggtctc cgaacattga acactgtctg ggctcagcat ttgagtgagg aattgaaacg   240

taggttctac aagaactggt gcaagtccaa gaagaaggcc ttcaccaagt actctaagca   300

gtatgaaact gaggagggaa agaaaaacat tgaggcgcag ctggagaaac tgaagaagta   360

tgctactgtg gttcgtgttt tggctcacac tcagatcagg aaaatgaaag ggttgaagca   420

gaagaaagcc catatcatgg aaattcaggt taatggtggt agtattgcac aaaaggtgga   480

ctttgcatac agtttctttg agaaacaggt tccta   515

<210>   9436
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102g01d1

<400>   9436

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4286

cagtcttccc tgaaacaaaa gtttggccaa cttaaggaga aaaaaaactc actacccgag   120

aatccataat atcaaaacag aaacactaca aagtttataa gtgatggcaa ccaaatagaa   180

ttccagcatt tccatccaat taacataatt atgctttgag gcgtccaaag aacttctgct   240

tctcctgtgt ggtctggaag cgaccatgcc caaactttga agaggtatcg ataaacttga   300

gtttgatctc cttaagagca acacgagaag tctgcttaag gagggattga cgcaatgtaa   360

tgaccctctt cttgggacca acacagcatc ccttgaccat gataaaatca tccttaacaa   420

caccatagtg agggaaa   437

<210>   9437
<211>   507
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102g02a1

<400>   9437

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tgcttcatgt cgtctaccgt gttggtgacc ttgatcgcac catcaaattt tacacagaat   120

gtttaggaat gaagcttttg aggcaaagag atatcccaga ggagaaatat gctaatgctt   180

ttcttggatt tggccctgaa gaatcccatt ttgttgttga attaacatat aattatgggg   240

ttacctcgta tgacattggc gatggctttg gacattttgc aattgcaact caggacattt   300

ataaattggg ttgagcacat cagggccaca gggtggaaac atcacaaggg aacctggtcc   360

aagtcaaggt ggaactactg ttatcgcctt tgtaaagatc ctgatggtta tactttggga   420

cttatccaaa gacctacagt ccatgaccca ttntgtcaag taatgcttcg tgttggtgat   480

ttagagcgct caattaagtt tatgaaa   507

<210>   9438
<211>   384
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102g02d1

<400>   9438

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gtcaacaaaa gaacccataa aagcaagaaa acaagttgat gactggtact gatacaaaac  120

gcacaatgat aaaatgcgag acaacttatt catacaaaag cagcaggact acttatttca  180

tataaagctt gctcttcact tcagttcttc caagaaatca acgttgtcaa ccaagacagg  240

tttccatcca tctggatcta aaaacgaagt ggttttttgta ttaaggccag gaattggccc  300

tggatgccga gtaatcttcc ctccaacctt ttttatgact tggttaacta cctcagcact  360

cttatataca tcatcagtac caat                                          384


<210>       9439
<211>       438
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220102g03a1

<400>       9439

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ttgaggtcca ggatcgtggt gttttttgact ttctcggtaa gaaaaaggat gaagaagaca  120

agcctcatcc tcaggaggag gtcatcgcca ccgagtttca aaaagtcact gtctcagacc  180

aaggagagaa caagcacagc ctcttagaaa agcttcaccg atctgacagc agctctagct  240

cttcaagtga ggaggaagga gaagatggag agaaaaggaa gaagaagaag aaggaaaaga  300

aagggctgaa agagaagatc gaggagaaaa tagaggngtg atcatcatca tcacaaggat  360

gaggacacaa gtgtccctgt tgagaaagtt gaggttgttg aaacagcaca tgctgaagaa  420

aagaaggggg tcctcgac                                                 438


<210>       9440
<211>       413
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220102g03d1

<400>       9440

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cttcaaagaa ggaaacctac acaaacttta tcttttgtaa atggaagaga tcaatacaca  120
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4288

atgatatagt caattaagta tgcatgaaga aacaccaacg aaacccacac ggttgtcata 180

tgatgaaatg aaacctaagc actgcacaat catgcatctg caaccaacca aaaagccttg 240

tctcaatctt aaatatcgat gagcactcac tctgcttcag cttttacttt tcctcctctg 300

tcttggagtg ataaccagga cgctaatctt tcatctggaa taatataccc ttgttgtcct 360

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<210>   9441
<211>   454
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102g05a1

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ctggtgcccg aagatatgtg gtactgtcct aaatgcaaag agagacgaca agcaagcaag 120

aagcttgatt tgtggagact cccagaggtt ttggtcattc atttgaagag gttttcctac 180

agcaggtcaa tgaagcataa actggagact tttgttaact ttcccattca tgattttgat 240

ttaaccaatt acatagccaa caaaaacaac actcggcgtc aactgtacga actgtatgcc 300

cttacaaatc attatggcag tatgggtagc gggcattaca ctgcacatat taagctttta 360

gatgagaaca ggtggtacaa ttttgatgac agccacatat cactcataag tgaagatgag 420

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<210>   9442
<211>   517
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102g06a1

<400>   9442

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taacgccaag ctcgatctca aattaatata tcatttattc ctcttaatca aatattaaat 120

aagaaaagat gggagagatg tcaaacttcc aattgggtgt gattggtgca ctatttctct 180

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cggtggcttc ttctgtctcc attgtcatct gcaacaaagc cttgatgagc aatcttggct  240

tccctttcgc cacaacgctt actagttggc atttgatggt cacattttgc acccttcatg  300

cggctcaacg cttgaatcta tttgtgtcca aatccgttga cttgaaaacg gtcatgcttt  360

ttggtattct aaatggcatt tccattggat ttctcaactt gagtcttggc tntaattcca  420

ttggattcta ccagatgaca aaacttgcga tcataccatt cactggatta ttagaaacta  480

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<210>      9443
<211>      544
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102g07a1

<400>      9443

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tgccatagtc accaaccaat taacaaggt atatatatca tcatatcatc accaaatgaa  120

aaatattggg ttgtttttttt cttgtggtgg tggctacttt tgtggtggca gccacagctg  180

gtagctttta ccaagacttt gaaataacgt ggggtggtga gcgtgccaaa atctatgaga  240

atggaaacct tctcacactc tcccttgaca gagcctctgg ctctggcttt cgttccaaaa  300

aagagtactt gttcggaaaa attgacatgc agctcaagct tgtgcctggt aactctgctg  360

gaacagtaac tgcctattat ttatcttctc tggggcctac tcatgacgaa atagactttg  420

agtttntggg taacttgagt ggtgatcctt acactcttca cacgaacgta ttcagccaag  480

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cata                                                               544


<210>      9444
<211>      514
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220102g08a1

<400>      9444
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ccgaaaggac atggaccgga tcaagggccc gtggagcccg gaggaggacg aggcccttca   180

gaagcttgtg gagcggcacg ggcccagaaa ctggtcgctc atcagcaggt ccattccggg   240

ccggtctggg aagtcatgca ggcttcggtg gtgcaaccag ctgtcgcccc aggtcgagca   300

ccgggccttc acaccggaag aggacgagac cattattcgg gcccatgccc ggtttggtaa   360

caagtgggcc accattgcgc gcctnctctc gggccgcacc gataacgcca tcaagaatca   420

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cgccgtgagt ccgaggccgc tcaagcgatc cttc   514

<210>   9445
<211>   422
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102g09a1

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ctcactctgt cacacttctt agatccaact ccacatatta cacatgacca aaccccctat   120

ttgagcatat tgtcgaataa acgtcttacc agaaaagcga ccatacacat tcatcatgga   180

ggtaacagct gctactatat gatcattccc tgtcacttca ccggagcctg actatgctaa   240

cccaggcagg aaatttgatc aaatcccctg gaactcatgt agaactaata tccaactttg   300

cctattctgc tggctagaat gcaaaagctc aagccccttc taaaattaat ggaaccacag   360

tagttacata taaagaaagc ttcaagcatg atgatgatct acctttgctt accccagaa   420

ct   422

<210>   9446
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102g10a1

<400>   9446

4291

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tagggctagt actttgtgtc accctgtcct tcttcccaag ggtcacagaa gggagggtgc    120

cctttgcatg cgaccctagg aacggtctca cgaggggttt caagttttgc aacacgcacg    180

tgccaatcca cgtgagggtg cacgacctca ttgcgaggct cacattgccg gagaagatca    240

ggctcgtggt caacaatgcc atcgacgtgc ccaggctcgg catccaaggc tacgagtggt    300

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tccccggcgc caccatgttc cctcaggtca tcttgaccgc tgcttcgttc aatcagtcgc    420

tgtggcatga aattggacag gtggtgtctg atgaagcaag agcaatgtac aacggtggac    480

aggctggttt gacgtattgg agtcctaat                                      509


<210>      9447
<211>      532
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102g11a1

<400>      9447

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atcttggttc gggcaagtcc actctagtga atcatattct gaattcgcaa catgggaaga    180

ggattgctgt cattttaaat gagtttggtg aggaaattgg cgtcgaaaga gcgatgatca    240

atgaaggaga taagggtgca ttggttgaag aatgggttga gcttgccaat gggtgtatat    300

gttgcacagt caagcatagt ttggttcaag cacttgaaca acttgttcag agaaaggaaa    360

ggcttgacca tatattgctg gaaaccactg gattggcaaa tccagctcct ttggcatctg    420

gtctatggtt ggatgaacag ttggaaatca gagtgaagct tgattctatt gtcacggtgg    480

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<210>      9448
<211>      443
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
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<223>   Clone ID: jC-gmf102220102g12a1

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gctttggcta catggtctcc aaaaagaagt acatctacac cattgatgat gactgctttg   180

ttgccactga tccatctgga cacaagatta atgcacttaa acagcatata gaaaacctcc   240

tctgtccatc cacacccttt tttttcaaca ccctctatga acctttccga gaaggtgcag   300

attttgttcg tggttaccct ttcagtctcc gggaaggtgt accaactgca gtttctcatg   360

gtctttggct caacatccca gactacgatg ctnctaccca gcttgtgaag cctcttgaga   420

ggaaacacta gtatgtggat gct   443

<210>   9449
<211>   407
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220102h01a1

<400>   9449

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gaacaactat ggctggttta agggcaattg gatatgactt tgactacgat gaatatcaca   120

gttttgttca tgggagatta ccttatgaga atttgaaacc agacccagtt ctgaggaacc   180

tcttgctgag cctaccctat aggagactga tcttcacaaa ctcagacaaa gtccatgcag   240

ttaaggcact aagcaggcta ggattagaag actgctttga aggaatcata tgctttgaga   300

cccttaatcc catccacaaa agcactgtct ctgatgatga agatgacatt gaatttgtgt   360

ggggttcagg cacaaccaat ccaaccacaa aaaagatgc tagcagc   407

<210>   9450
<211>   320
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220102h01d1

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tttctaatgc ataatctgct cctttaattc tctgagattt tccaaccagc acagtgtgaa   180

gacccacacg ttttccagct tgtgtgttgc ggacactatc ctcaaagaac aaagttcttt   240

gtggattaag gttggctatc ttgagggcca actcaatggc attttctgat ggtttgcaaa   300

taattggtgt ctttggaaac   320

<210>   9451
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220102h02a1

<400>   9451

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cgtctgaaga atcgagagag acaacgaaga tatagggcac gtaagcgtct agaagccgaa   180

acaaagaagt catttgttgt ggaagagaca ccagctgtgc aagttgaact acaaccaaac   240

aggaacccca acaacaactt cgtgacccgt atctattgta aacgagattg gaaaaaggac   300

gcaagacggg cccatatttt aaagcatcaa caaatgaatg gattcattga tcgtccagcc   360

ataactagtg tacctgaggt gacatgctta gccattggaa acaagtcaga aacagtgcca   420

gagagggaaa ttcagtctgg atcttctggt gttgctagta ctgatgc   467

<210>   9452
<211>   477
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102h02d1

<400>   9452

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atctctcaat tccccattaa ttaaaaatca aaatcaaaat ctaatctggg tttctcccat   120

cagaggacaa agcttccgac tttgcgggat tcgttcgtat ttgtttcagt gctgtgatgg   180

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ggaaggtcgc ggtgggagct gccgttgact gcgccgccgc cgtatgcact gcggcggcgc   240

tggtggtgcg ccaccgcatg attagttccc ggaagtggag tcgcgccatg gcgatactga   300

aggagtttga agagaagtgt ggcaccccaa ttgtgaagct aagacaagtg gctgatgcca   360

tggatgttga gatgcacgcg ggtctcgcat ctgaaggtgg tagcaagctc aatatgttga   420

tcaagtttgt cgataatcta ccaactgagg attacgaaag cctctattat gcattgg      477
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<210> 9453
<211> 521
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102h03a1

<400> 9453

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gtgttatcaa tggcggaaca ctggaaggcc aaaattctcc catataaaca ggccgttgca   60

gcctatggca ctgccatagt gggcctccct tcacaaattg cctatggtgg ttgacaaaaa   120

aaccgccatg ccagtctgcc atggcggcct tagcgccgcc atttatcaac attgttagca   180

aatgagaaaa atgttatctc ctgcaatatt tattctcatc atcagaaaac attctgatgg   240

gttcaaaaga tttaatttcg tggcagtgga tccaaatgag gggtgtagag tactagagag   300

ttcttcttgg ggagagttgg gtatctgtga agatcatgct attcaggaac catatgaagg   360

catggaattt gaatctgaag atgctgctaa gctattctat gatgaatatg cccggcgatt   420

aggatttgtc atgcgtgtga tgtcttgtcg acgctcagaa agggatggta ggattcttgc   480

ccgcagactt ggatgtaata agagggggta ttgtgtcagc a                       521
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<210> 9454
<211> 410
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220102h03d1

<400> 9454

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cattggtgtt tacattttct tctgtaaaat taggggagta caaaaatgat acaagattac   120

attgcaccct gaggcttaaa gggacgtaac tagtttgtca gtggccaaaa tgtcacaaaa   180
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4295

cctgttttag cttttaagga ctatgacaag caatgtaact tcacagttta tatatatata 240

tatatatggg ggccttctct gggttgcaaa gctcgcatta ttggttcacc aaaaaaatag 300

gttagcctta ccagaagttt cactgaatca gggaatgcca ttcatgaacg attaagggat 360

cattcttttg acacgacaca ttttagtggt cacaccgtga catgatgcat 410

<210>   9455
<211>   467
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102h04a1

<400>   9455

agaaatccac caatgtatgg tggtaattct cagcaaggct accaagctcg ggcacccact 60

agctggggtc ccactgctgc tcctatgcca caatccggtt atggctatgc gcatacagca 120

gcatactatg gtccacacta ctataacatg cctcaccaac aatatgcaag ctatcctcct 180

cagccatctg gacagatatt ctgccaccaa ctgggatcag tccactgacc cacagcagca 240

gtcaacccat gcatggtatg attactatag tcaacagcag tagcctaatc ctgcaccttc 300

atatgatggg actgctgaca attacagcca tgccacctta ctctggacat aaccaacacg 360

tacaggtcta atctcaggat ggctatagag gatatcatgc accaccacaa ttacgggatc 420

gtcaggcacc atcatatgat cagcagcaaa ggtatagctc atccccc 467

<210>   9456
<211>   520
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102h05a1

<400>   9456

aaaagacttc cttttttgca attgtcattt gtcaccaaac aattgttgtt agctctcaca 60

agcaagcttc agcaacgaca atgaaggtca gaactagatg aagaaaccaa tctcttttat 120

aatttcctcc ctttcatcca ctaatcaatg tttctaattg agtttaattt tctcagggat 180

agccttacac tgttttgttt ccactagatc ttgtatttaa ctattccttt catgttttta 240

aatgtagaag taattaacta ttgggtctta actgctcttt gatttgttgt gttacagaaa 300

4296

gtagtcttac agttggactt acatggcgat agaatcaagc aaaaagctat gaaaacagca   360

tctggccttt caggtacatc tttgcttttg attcaagaag cacaattaat acatgtcatg   420

cagcatcaag gaatcaatga ttttattaa caaaattgct tgtaattatt tttgcacggg   480

ttcgatcagt ttctgttgat atgaaagaca tgaaaatgat   520

<210>   9457
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102h06a1

<400>   9457

cccacatttt caaaatggct tgtgaaaatg acaacaacaa caaaggccta ttacttgccc   60

tagggctagt actttgtgtc accctgtcct tcttcccaag ggtcacagaa gggagggtgc   120

cctttgcatg cgaccctagg aacggtctca cgaggggttt caagtttttgc aacacgcacg   180

tgccaatcca cgtgagggtg caggacctca ttgcgaggct cacattgccg gagaagatca   240

ggctcgtggt caacaatgcc atcgccgtgc ccaggctcgg catccaaggc tacgagtggt   300

ggtccgaggc tctccacggc gtctccaatg tgggccccgg caccaagttc ggcggagcct   360

tccccggcgc caccatgttc cctcaggtca tctcgaccgc tgcttcgttc aatcagtcgc   420

tgtggcagga aattggacgg gtggtgtctg atgaagcaag agcaatgtac aacggtggac   480

aggct   485

<210>   9458
<211>   523
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220102h07a1

<400>   9458

atcaattaat ttccaatggc cgatcagctc accgacgaac agatctctga gttcaaggaa   60

gcctttagcc tcttcgacaa ggacggcgat ggttgtatta ccaccaagga acttgggact   120

gtgatgcggt cgcttgggca gaacccaact gaggctgagc tgcaggacat gataaatgag   180

gttgatgctg atgggaatgg taccattgat ttcccagaat cctcaatct catggcgcgc   240

4297

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aagatgaaag acactgattc agaggaagag ctgaaggagg ctttccgtgt gtttgacaag    300

gatcagaatg gtttcatctc tgccgcagag ctccgncacg taatgaccaa tctcggtgag    360

aagctgaccg atgaggaagt cgatgagatg attcgtgagg ctgacgttga tggtgatggg    420

cagatcaact acgaggagtt tgtcaaagtc atgatggcca agtgaggacc aatcaaccat    480

aacaaaaaca tttgaaagca catgaacaga anagggacag ggc                     523
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<210>   9459
<211>   530
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220102h08a1

<400>   9459

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tagaaacagt gtgatgaaaa tgaaggtcct tgttttcttc gttgctacaa ttttggtagc    60

atggcaatgc catgcgtacg atatgttccc tctccgaatg aacactggct atggtgcccg    120

tactccggag gtgaaatgcg caagttggag gcttgctgtg gaagcacaca acatctttgg    180

ctttgagacc attcctgaag agtgcgttga agcaacaaag gaatacatcc atggcgaaca    240

atatagatca gactccaaaa cagttaacca acaagcttac ttttatgcca gagacctcga    300

agtccatccc aaggacacat ttgtgttcag tatagatggc accgtactct ctaatattcc    360

atactacaaa aaacatggat aggggtggag aaatttaact cgaccttgta tgatgaatgg    420

gttaacaagg gcaatgcacc ggcactgccc gagactctta agaattacaa caagctggtg    480

tctcttggct tcaagattat natctngtca ggaagaacac tgggacaaac              530
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<210>   9460
<211>   513
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220102h09a1

<400>   9460

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ctttcttcac cgttcgctct ttctttctcc cctacacaaa acatggcttt gcccaatcag    60

caaaccgtcg attaccccag cttcaagctt gtcatcgtcg gcgacggtgg cacaggaaag    120
```

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acaaccttcg tgaagaggca tctcactggt gaattcgaga agaaatatga accgaccatt    180

ggtgtggagg ttcatccgtt ggattttttc acgaactgtg gaaagattcg cttctattgt    240

tgggatactg ctgggcaaga gaagtttggt ggcctcagag atggatatta tatccatggg    300

caatgtgcga ttatcatgtt tgatgttact gcccgtctaa catacaaaaa tgtccctacc    360

tgggcaccgt gatctttgcc gggtctgtga aaacatccca attgttcttt gcggtacaag    420

gttgatgtca agaataggca gtgaaggcan agcaggttac tttccacagg aagaagaatt    480

gcagtactat gagatatctg ctaagagcaa cta                                 513


<210>      9461
<211>      565
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102h10a1

<400>      9461

gaagtgagtc agatacgaag aagcaaaagc aaaacagaag caaacaccac cacgcattca     60

gcttcagaag aaagtgaacc tatttggtgt tttcctaacc gaatcaatct ttattctttg    120

gttattcttc gacttctaca tgggtcgcct tcttctcttt ctcattattc ccagccttgt    180

cgcattgtct ttcctctcag aggtacaatc agcgtcgttc aagattgtga acaagtgccg    240

tcacacgata tggccgggat tactctccgg tgccacctcg acgccgattc ccaccaccgg    300

attcaccctc gagagcggca tatcgaggac cataaagctt ccaaagtctt ggtcgggtcg    360

gatatgggca cggacactct gcggtcaaga ctctgacgga aagttctcct gcgccaccgc    420

cgattgcggc tccggtaaag tagagtgcgt ctgctgagcc aaaccgtcgg cgactttggc    480

ggagttcact ctcaacggcg ccgacggatt ggacttctac gacgtgagtt tggtcgacgg    540

atacaacctt gcgatgctga tcgtc                                          565


<210>      9462
<211>      481
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220102h11a1

<400>      9462
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4299

ctctcccctg ctatctctaa attgaacgtg ttttctgcta cttttgcgcg tgtgcattcc   60

tcttcccttc aaagctagca ctttacccac caccacaaca accccttttg ctcccacgtg   120

cacagagtca aacccaaagc tcttttttc tctccaaacc cacaacaaca aaaacagagc   180

ttctctgttt tctccattcc caaaacacaa aataaaataa aaaaggaatc ttttcacgc   240

ataattctgc tgaatttcgg aacagaaaat gggtgctggt gagtactaca agatcctcaa   300

ggtgaaccgc aatgccacag atgaagaact caagagggca tataagagat tggccatgaa   360

gtggcaccca gataagaacc atcaacacca ccatgttacg aaggaagaag ctgaggcaaa   420

gttcaagcag gtttcggagg cttatgatgt tctcagcgac ccaaagaagc gtcagatcta   480

t   481

<210>   9463
<211>   462
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220102h12a1

<400>   9463

ccgagaacaa aaaaaaaaaa aaaaaaaat ccgcgattcg ctcttctctt ggaaaagtga   60

aaaccagaag tacgaacgaa agagaagagc gatttagaag tgagagaaga tggggttgtc   120

gttcacgaag ctgttcagca ggttgtttgc gaagaaggaa atgaggattc tgatggtagg   180

tctcgatgct gctggtaaga caaccatctt gtacaagctc aagcttggag aaatcgtcac   240

cactatcccc accatcggat ttaatgttga gactgtggag tacaagaaca tcagcttcac   300

tgtgtgggat gttggtggtc aggacaagat ccgtccactg tggaggcatt atttccagaa   360

cactcagggt ctcattttg tggttgatag caatgataga gatcgagtgg ttgaggcaag   420

ggatgagctg cacagaatgt tgaatgagga tgaacttaga ga   462

<210>   9464
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103a01a1

4300

<400> 9464

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ctcgagccga atcggctcga ggagaattcc caaatccatg atgcctatgt taagctacag    60

atcggtaacc agattttgaa dacaagacct gttcaatcaa ggaccatgat tctgcgttgg   120

gatcaagagc tgatgtttgt tgctgctgaa cccttgagg aacctctgat tgtttcagtg   180

gaaaatcgag ttggtcccaa caaagacgag actattggag ctgttattat tcctgtagac   240

caaactgaca agcgagctga tgatagactt atccacacta ggtggtatca ccttgaagaa   300

tccatatcat ctgtgatgga tggggaacaa ggaaaaaagg agaaagataa attttttagt   360

agaattcact gagtgtctgt ctgatggtgg gtccatgttt ttgatgggtc aacttatata   420

gtngtgatct cagaccaaca tcaaagcagc tctggaagaa gccaattggt cttttagaaa   480

ttggcattct agtgttgatg gacttcatcc aacgaaaacc aggga                   525
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<210> 9465
<211> 334
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103a01d1

<400> 9465

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ttttcttttt tttttttttt tttttttttt tttttcttat taactatttt gctttggttt    60

tttttatttg tttttttttt ttttttttatt ttgtccaaag aaaaaaacac gccgccccac   120

cccctgttga acaaacggga daccggccgg ggggctcccc caacaaagtg gagggcggcc   180

ccacgggctg gcgtttatta cccaccccca gggggatgc cccttgtct ctcccccccc     240

cccgcaaaat ttacttgacc cccgggctgc ggaagacatt gttgaagact gtaaaacccc   300

ccaaagaatc cctttccccg gtgtttgtgt tgga                               334
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<210> 9466
<211> 533
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103a02a1

<400> 9466

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cagaaatgaa cgccctccct tcctcttcct cttccacctt cactttctta actcagtcca    60
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aaaacccaa ctaccacttc aagttcacac acaaagtacc cattttaccc ctacactcgc   120

cttctccatg ttggctccct gagtgactcg tcctcctcgt cgaccacggt gctggacaaa   180

aatgcccttt cacccgaaca gaattctcgc attgcaggtt cgccagaaga ctcgagctcc   240

aaggaaaacc tcgtggttcg ccggccggtg acggatttt ccggcgaaga ctccggcaag   300

gaggaggagg aggaggaaga agaagaagat gacccgaagg cttcggtgat cgacgagggt   360

ctcgcgagat tcgcgaagaa gatgccgatg tttgagccgg agaggatgga atccanagag   420

aggccactcg caattaattt ggacttggcg ttatacaggg cgaagctttt gggctagaga   480

acatntcagt atgatgaagc agagtcacta ctttaaaagt gtataagctt ttg   533

<210>   9467
<211>   340
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a02d1

<400>   9467

cattaaaaaa tatttcttat aatgccgtgt tcaacacaag gtaattacac ctctcatgcc   60

acggtcatac tattcaaaac aattttaca agacaccaac atgtataaag ctcaagatcc   120

caccctaaac tacattactg tgtgacttgc acttcggcaa ttccattaat tgatcgtcgc   180

catatccttc taggagactt acttctcttc acagaataaa attttggtgg ttccaactga   240

atttctagat tggacaaatc taaagatagc ttttgcttaa tgaaagcatc caaatggaag   300

tcattttcc catctgcatc atcatcatcc tgatcgtcac   340

<210>   9468
<211>   562
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a03a1

<400>   9468

cagcaaacag caagagagaa atggaagcag catcggccac aattctgcta ctgatactaa   60

ttcttgctct gatatgctca tggaaggttc tgaactggtt atggctgaga ccaaagagac   120

tagaaaaact gctacgagag catggttctc gtggcaatcc atacacccctt tactttggag   180

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actccaagga gtttctcaag atgagaaagg aagccgtatc caaacccatg accctctctg   240

atgacatagt gccacgtgtc tctgcctatg tccaacatag tgttaacaag catggtaaga   300

attctttat  ctggttcgga ccactgccaa gggtgaccat cttagatccg tagcagatca   360

aagatgtatt taacaagaac tatgacttgc caaagcctaa tttgaatcca cttgtcaagt   420

tactagcaac tagccttgca ggctatgaag gagaaaagtg gagcaagcac agaagaataa   480

tcaaccctgc tgtcaattta gaaaaagtga agatcatgtt accattgttc ctgcaagttg   540

caatgatctt gatagcaaat gg                                            562
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<210>   9469
<211>   239
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a03d1

<400>   9469

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gggtggtggt gtgtttatag actggaaata tatctttttt gatgatgttt ttagtgctgt    60

tgatgcacac actggcactg aaattttcaa agaatgcgtg aggggggctc tgaaaggcat   120

gaccgttatt tttgctcaca ccaagctgac tctctacata atgcggattt tatagggggtg   180

aagagggacg gaatgatatt ccaatcggag aagtacgatg atctacttgc gtctggaat    239
```

<210>   9470
<211>   418
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103a04a1

<400>   9470

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gcccctggcg cgatccgccg gtgttgaagg aaaacctctc cgccgccgga aaggggaagc    60

cgccgctgac gcaaacgcgg aggaataata tgaaggtgg  atgggatgat tggggtaacg   120

aggcgaagtc cccggagcaa gagcaagtcg accggggatt ttaggaatttt gaacggcggc   180

ggcggagcgc cggcgaggtc gaggtcgacg gaggatatct acacgcggac gcagctggag   240

gcgtcggctg cgaaaaagga ggacttcttc gcgaggaaga ttgcggagaa cgagtcgcgg   300
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ccggaggggc tgccgccctc tcagggaggg aagtatgtcg ggtttggatc cagtcctcag    360

ccgcctcagc ggcggaatga agcgcanaac gattacttct ctgnntgttc gaggggat      418


<210>       9471
<211>       479
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220103a04d1

<400>       9471

gctgaaaata tatttaacct taacaaaatc tttcttcttg cacattgggt ctgagtttaa     60

aaaggaacaa tgggattaaa agttatagcc aacaataaag tatcatgttt ggttagtggc    120

atccttgctt ggcctgcatg ccatcagtgc gtaaactaca gtgtttttttt gtcacttaag  180

gaagaaatca tgaaactggt aatgaagtcc aatcaaccct ggtccaagaa gtataacaag    240

tgataacttg tttcaaatta tgtacttgaa atcttagaga aagcctccct ctgtccaagt    300

gccatctgat ttcccattat gaccaacacc tttcttatta gatgcacctt cataataatt    360

atcgaatcca tcatctttgg cattatccca gccagcccaa tcctcgttat tatggagagc    420

tgatcctttta gctggttctt ccttcctaga atctctgtgt tcccaatcat cccaagagc    479


<210>       9472
<211>       553
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220103a05a1

<400>       9472

gggattgtgg tgttaaggat atcatttcga aacccttccc ctttcctttt caatatcagt     60

atcatgtggt tggttggttg gggttcatag agtgagtgaa tggagtctgt tatgagaagc    120

ataaaaaaaa catgaagagc aaagagtatt attaggcgaa ttatagatgt cctaatttta    180

ttgaaggtag cctcaacaac ttctgctact tcctactcca accgcacttc tgctccgcaa    240

ttatcatggg caaggtcaag atcggaatca acggatttgg aagaattggc cgtttggtag    300

ccagagtggc tctgcagaga gacgatgttg aactcgttgc cgttaacgac cctttcatca    360

ccaccgatta catgacatac atgtttaaat acgacagtgt tcatggacac tggaagcatc    420
```

4304

acgatgtcac cgttaaggac gagaagaccc ttctcttcgg tgacaagcca gtcactattt   480

ttggacacag aaacccctga gagatcccat ggggtcaact ggagctgaca tcattgtgag   540

tcccaccgag ttt   553

<210>   9473
<211>   351
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a05d1

<400>   9473

ggaaaaaagg gggggccaaa tttttccttt accaataaaa acccgggccc tttggggggt   60

ttcacccccg gcccccgggg gggtttttaa aaaaccaaaa cccggccccc cccccccaag   120

aaaaaacccc aaaggcccca aaaggggtt tggcccccc aacaaggacc ccccgggtt   180

tcaaaacccc ttttttccc cccccttt tttgggtggg gcaaaaccct aaatcggggc   240

taaacaaaaa cacccgggaa aatggggaaa accccccct ttgaaggacc cccctaaaaa   300

aactttggg gccccaaccc caaaaaaaca agggcccggg gggtgttccc c   351

<210>   9474
<211>   594
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103a06a1

<400>   9474

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cgccgccaca accaccatcg tctgcagcac caccaacaac aacaacaaca caacgtgtc   180

ctccgacctg aaggcgttct ccgccgcgct ggccctctcc tccatcctcc tctccgcccc   240

tctccccgcc ggcgccgaca tctcggggct caccccatgc aaggagtcga agcagttcgc   300

gaagcgtgag aagcagtcga taaagaagct ggagtcgtcg ctgaagctct acgaggcggg   360

cagcgccccc gcactggcca ttaagggcag cgtggagaag acgaaagtga ggttcgacaa   420

ctacgcgaac agngggttgc tgtgcggcgg cgatgggttg ccgcacctga tcgtgagcgg   480

4305

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agaccagagg cactgnggtg agttcatcac accccgaata ctattcctgg acatctcggg    540

atggatccgc tgggtgggtc gagctacctg attgnatcag ggacgagaag aaac          594


<210>      9475
<211>      410
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220103a06d1

<400>      9475

agcaagaacc cttcttacat taattgaatt ggaaaaagag gttgattggg gttcacatgc     60

cttaaattac atcatatcat gtcccctta taaaaaaagt tattccaaaa agagcgcgta     120

aagatcccat ccccatacaa attctccagg ctttcctcca atggagccat cccccctttt    180

ttatttaaac atccttggca atgagggcgc ccctgatgaa ttctttttag gcagcaacgg    240

gccctcttaa accccttaaa agcaagcgag aagcccaagg aacatcgatg atgacccccc    300

tcatgggggg gttttctcg gccctgatcg caatcaggta ggtccgaccc acccagccga    360

tccatcccga gatgttcagg aattgttttc cgggtgtgat gaacccaccc                410


<210>      9476
<211>      562
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220103a07a1

<400>      9476

ccattatctc agcaagcatg gagttagtgc aatcaggagg ctgaggaaaa ctgataataa     60

tagaattgca aaggcttgtg gtgctgttat tgtgaacaga ccagatgaat tgcaggagtc    120

tgatgttggt actggtgctg ggttatttga ggttaagaaa attggagatg agtactttgc    180

atatattgtt gattgcaaag aacccaaggc ttgtactgtt ctactaaggg gtgctagtaa    240

ggatctatta aatgaagttg aaagaaacct acaggatgcc atgtctgttg caaggaacat    300

tataaaaaat cctaaacttg ttcctggagg cggtgctaca gagttgacgg tgtcggctgc    360

cttgaaacaa aagagttcat ctattgaggg catagagaag tggccttatg aagctgctgc    420

cctagctttt gaagccatac cacgaacttt ggctcaaatt ggggagtaaa tgtcatccgg    480
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actatgactg ctctacaagg aaaacatgca aatggagaaa atgcatggat ggtatagatg   540

gaatactgca gatcactgca tg   562

<210>   9477
<211>   363
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a07d1

<400>   9477

aaaaaaaacc cccccgata aataatgttt taaaaaaaaa aaaaacaaaa ttttttttttg   60

gcaaaagggg gaggggggaa aaaaaaaccg cccccaaagg ggggccaaaa cccccaaaaa   120

aaggggggaaa aaaaggggg gaaaaaaaaac cccgggaaa aaaaaacccc aaaaaaaaaa   180

atggggggggg ggacccaaat tttctagggg gggggggggg tccctgggga gattcccggc   240

ggggaaaaaac cggggggggga aaagggaaaa cccggggggg gtttttttttt ttccccccccc 300

ccctttttat aaaaacccca aaaaaaaac aggggggggaa aggggggaga aaaaggggg   360

ggg   363

<210>   9478
<211>   470
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103a08a1

<400>   9478

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ttgggtcatg atcatggcca cggacatgat ggtcatggtc acggtcacgg tcacggtcac   180

ggacatggac atgatggtca tggccacagt catggattta cagtgtctac ccattgtgat   240

gcaaagcata caaaagatga gcaccatcac acacatgatg atcatgcaca ccatcatgat   300

gaaaaccttt caaaagatgc tcaccatcat actgaggaaa gatcacttgc accatcatgc   360

tcacaaagat gttactgaac ctcttcttgg tgaatcaaag gtggaactaa gaagaagaag   420

caatggaaca taaatgtgca ggnggcttat ctccatgttc ttgnggactc   470

<210>   9479
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a08d1

<400>   9479

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ccccccctaaa acccccccccc attttttttg gggggggccc cgggaacccc cctcccccctg   120

gggggggacc ccggggggggg ggtttttccct ttgggggcccc cccgggggggg ggggggggccc 180

ccccccgggcc cccccccttta aattttcccc ccctggggga aaaaaaaaaa ggggggaaac 240

ccccaaaccc cccgggggggtt ttttttcccag ggcccatttt tttgttgaaa acccccccccc 300

tttaaaacca aaaaagggg ggggggtttcc cccccccggga acccggccaa aaccaccaag   360

ggggttttgg ggagcccccc ccacgggggg gccaaaacct tttttaaccc tcccccccccc   420

cacaagggaa ccaaaaataa ttggggggcc cccccgccc cccccgggg gg   472

<210>   9480
<211>   522
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a09a1

<400>   9480

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gtggcggctg cagcagcagc agggcagccg aagaagagaa cgttcaagaa gttcagtttc   120

aggggcgtgg atctcgatgc gcttctggac atgtccaccg atgaactcgt gaagatgttc   180

agtgctcgcg cacgtagaag gttccagaga ggcctcacca gaaagcccat ggccttgatc   240

aagaagcttc gcaaagcgaa aagagaagct ccaccaggtg agaagccaga acctgtccgc   300

acccacctcc gcaacatgat tattgtgcct gagatgattg gtagcattat tggagtgtac   360

aatggcaaga cctttatcag gttgaaatca aacctgagat gattgggcat tatctggcag   420

agttttctat ttcatacata cccgttaagc acgggagacc tggtattggt gctactcact   480

4308

catccaggtt tattcctctt aagtgaaaac tggtactggg aa   522

<210>   9481
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a09d1

<400>   9481

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aatcggcctt tgattccatc aagtcccaaa ttcgtttaaa taccatttca acaaaataaa   120

actaacttca aaagattaaa cagaaaaatc ttgatactat ggaattaagt catgataaac   180

catacgtcca aaatcataga taggcaactc aaaatcaaat gcgcaacaac aaacaaaatc   240

tcttatagga gttgaaattt tcttgagaac cactacaaac taaaatgtag cttcccagta   300

acagttttca cttaagagga atcaacctgg atgagtgagt agcacctata ccaggtctgc   360

cgtgcttaac gggtttgtat gaaatagaaa actctgccag ataatgccca atcatctcag   420

gtttgatttc aacctgatta acggtcttgc cattgtacac tccaataatg ctaccaatca   480

tctcaggcac aataatcatg tttcggaagt gggtgcggac aggt   524

<210>   9482
<211>   505
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103a10a1

<400>   9482

tttggaagat agataaataa aataggcttg tcatcgtgag gaatcaggga caagtaattg   60

aacagatgtg ggtagaatag aatcacctaa attcataaag aaaaatcata aattcatgca   120

tcctaggcaa acaaggcagg ctaggtccca accttatcaa attttgattt tattttattt   180

ttatcttcta tttttatctt ttaattttat tatcttatct tttatcttct attttcttta   240

tcatatctta atttaaatat tttatcttcc ctatcttcta tttttatctt taaatctctt   300

atcctttctt ttaaatcttt atcttatcta ctatattttc ttatctttat tttaaattct   360

ttatctattg cttttaaatt gggtttacat taatctaagt actaacaaag tctatgtgga   420

4309

ttcgacactc ggatntccga gtactntact actngtgaca atttggtaca ctttgccatg   480

agttaacaca tacatacctt tcttt   505

<210>   9483
<211>   369
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a10d1

<400>   9483

ggcacgctat ttatgccatg attttcttac ttgatttaca gtatctttta acttatttaa   60

tacattatac caacccaacc aggagcaagt gccacaaccc aaggacactt atcgacaaac   120

tccgaagcag gacaaggaag gaaaaaacca ggggcgatac aaaaatgcaa tttatgccac   180

aactggataa gacgcacaag ttgcaagacc acacatgaat cagcggaacg ccagaaggaa   240

ggagacattc tcaccccaac aaaaacccca tgaatttatt tatgagccac ccggggaggg   300

ggggaaaaaa aagacacccc ccagggaggg cagaaagaga cacatccgga gaagggccag   360

cgcaaaagg   369

<210>   9484
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103a11a1

<400>   9484

gaaattgagg gtgaggaaac acaagatctt catctagcag aggaaagagg cctttaccat   60

aactttgata ttgatgaaga aaccagattc tcttcagtct ataggggtaa aggtgttgat   120

gatagtggat atgatgaaaa tgaggacagg ctcttggatt cacataattc tgaaactttt   180

gataatattt atggtttagt caataagagc ccaggtgaag caagtggtcg gaaaggcagt   240

aatggagctc aaacgtggtc aaatttctcc tctgtgtttc atgcacagaa tcactcagag   300

ttatctcagt caagttctgg tgtggattta tgtcgctctg gttctaaaga tcatgctaag   360

cagttagcat ctgaactccc tgccctgagt tgctcatttt cagatggaga aagcaggatt   420

cagctgaact cagttaataa cctacatgga gtcaatgatt atactgtgga agaacattgg   480

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<210>      9485
<211>      477
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103a11d1

<400>      9485

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ctcagttcat tcttttcaag cagagagaag ttgtcaagaa tgcattcaac tataagtggt   120

caatgatccc gtcccttata tggcatctca gggaggtaac ttggcatgta taaaacttgc   180

ctaggatgac caagaagttg tccatactgt ggtccatttg gatgaaaata tggttgggat   240

ggcatttgtg ccgcttgtgg attatatacg actggttgtg gccctgcaaa agtagtccca   300

actccaatac ccatggacat ggctggcata tttggtatgg tggatacagt agctgggaaa   360

tagaaggaac catcagacat gggggagcgg ggcctagcat gtgattgaga cggaataaaa   420

ctctttgcat tagggttgag cctgaactcc ttggcattgg gattcagagt tgatttt      477

<210>      9486
<211>      314
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103a12a1

<400>      9486

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gaagaaagaa ggatcgtcaa cggcgggaaa aacgacccag tatgatcccc tttttagaga   120

atttgctcaa gatcacaccg accgctttga gttggctgat tccattctgc ataactacat   180

atactgtctc ttgatgaagt tccatacgaa ggtgttcatc cttacaaatc aaaaactcaa   240

caatacgcac agatctacca tgggttacat ctctcgactt ccctttcttt cttttccaaa   300

tggaagtgct agtc                                                      314

<210>      9487
<211>      464
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<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103a12d1

<400>      9487

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gggccgccct tttttttttt tatttttttt ctttgttttt tgcagttcca agatgaatgt    120

gggggggggct gaacaacaat aaacctctag agttgtgctg agatcatcac cttaggaagc   180

cctttatttt acaatatacc gaataaagaa catccttcaa ctttcccagt tgttcgtaaa    240

aacaggacac gagttcgttt agatccacaa ttattgggca atggctagtt ttttttaact    300

tagtgtatgc tcatggaaat aataacatgt atgaaaccca gctaaaggaa atgtttaagc    360

gtttcctaat accaatagaa agtggttgat gattatttat gagcagatga cacacttagc    420

tcctgaatca catccaccat ggttggtcct tggtctggaa gctg                     464


<210>      9488
<211>      653
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103b01a1

<400>      9488

gattcatcgt gtccttaaaa taaaacttt  gaattcaaat gagatctaat tagtaattac     60

cttatatata tatatatata tatatattga ccaattaaca atctgccact tttaaccatg    120

atcattattt atatatatac gtacaatagt tttgggcact ggcgatggga ataaagtagt    180

ggtccactgc tacatgtatg aacttagagc tatgattaat gtcaatgaag ttattactta    240

aaaatgttaa tacaaaattg aggcagactt cattcctttt ttttaataag aaaggggcca    300

ttaggatttt gaacttagaa ttttgttcaa gctgctcttt ccatttaggt cgatcctagt    360

gaatttcaaa acttatagct catttctata tactgtctat tatagtagac atacctgttt    420

taccacacaa tatttaattc taattctctt attccatgaa cgaacacact ataattaata    480

catgactntg agaaagagat tatgtgttaa aattctctta ctaaccagaa ttaaccattn    540

natattatca atcanaagaa gaaattanaa aaatcaacct cagaatcttc attgtaaata    600
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tttatatata tatagatata tatatatata tatatatata tatatatata tat   653

<210>   9489
<211>   456
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103b01d1

<400>   9489

gttagaatat ctaatacact aaactaaaca ttaatttgaa gcaaaagtat tactcatcat   60

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tctacaaatt ttctctaaat ttacattact ataaaattga gaattcttga acttataagc 180

aatttaaaag tatgaaggga ggaaaaaaaa agactaacta gtagcagcat caacaaattt 240

tccatcaaat aagagttggg atgtgttcta cttttaactag tggtttaatt ggttcttcaa 300

tggcagcagc agtgctgaat ttactgagcc ctgcaccaag agcaccactt ccacttgaat 360

atcagacaaa agggtcaatt tattaaaata aaataagacc attaatgaaa gctccaaagc 420

ctaaaaacac caatcataag gcatgatcat tcatca   456

<210>   9490
<211>   584
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103b02a1

<400>   9490

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ctctctttct ctatctgaag aagaagaagt tctgaagaag catgtgtgga ggtgctatca 120

tctcagactt cattggtgtg aagcgtggcc gcaacctcgc cgcgcaggaa ctgtggtccg 180

agcttgaccc tttctctgac ctccttggct tcgataccac caccaccacc accaaccaac 240

cacccccttcc agacaaaaaa gtggtgtcat catgtgagaa gaagaagaag aaaagtgtga 300

gtgcagaaaa gaagagtggt gggcgagctc ggagaacgtg tacagaggaa tcaggcaagg 360

gccgtggggc aagtgggccg cggaaataag ggacccacat aggggggctgc cgcgtctggc 420

4313

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tcggcacctt ccccaccgtc gaggaatgcc gccgagccta cgacgacgcc gtcaagcgca    480

tncgcggcga caaggccaag ctcaacttcc cggggccaccg ttccgcaccc ttcaaaanac    540

aacgctgcct cagccctgac accaccaccg aacanagcag cagc                      584


<210>      9491
<211>      371
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103b02d1

<400>      9491

gcacgaccca aacgctaaca caccctaatt ggcctttatt tataatcata atgataacat     60

ataatcatcc ctctcatgat acgttgcacc taattatgaa ataattcgac cgtacaaaac    120

agaaattacc aaagcgagag gacaagacaa aacagaaaac taagaacaca tgcaccaaca    180

tagtttttata aaactataac ttaagaaaac gccatttatt aattaatcaa ttatctccct    240

tctagtaaat taagtgacgg gtgggcacaa cgacttcgtg cagcatccac aggtcatcca    300

tgttgtccca ctcagcaccc atgttgtcca acccctaaaaa ccgttcaagt tgtttcaggt    360

cgagttcatc t                                                         371


<210>      9492
<211>      556
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103b03a1

<400>      9492

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caaactcgaa gacgatcctc gccactgggc tcgcttagcc tgtgtctgca ccaaattctc    120

ttccctcgtt aggggatttc tgttggaaga ccaaatgctc cctcaccatc ccccaagacc    180

tcctctccgc cgccgcctcc gacccccctc tctccctcca caaactctcc ttctgctgcc    240

ccggcctccg ccacgccggc ctcctgttcg cacctccga tttcggcctc gaacgcgacc    300

tcggccccgg caacttcaac gtcatcaccg atgattctcc ttcgaaacca ctccaccacc    360

accaccacca ccaccacaac aacaacaaca caacctcct caatccgatg attggtcttc    420
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ctcttgttgg tccctttacg atgacctcta ctacgacacg ctctacgtcc caaccgagtc  480

cgagtcgccg cgattaacgg gaatccgtag cgtaagagcg ggcgtggatg tggcttcgat  540

caggcgtgca gcaaga                                                   556


<210>      9493
<211>      433
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103b03d1

<400>      9493

aaacgcgaat gggttttgaa tctcataaaa gaaaaaccta aaaaggcttt tccactgcaa   60

tcacactgcg atcggaattt cacaaagcag atttccaatc ttaagtaata gctgaaataa  120

tggaatggaa tgtgaaaaca gcgtatagcg gccttctcag gagttattta aaggagaaac  180

taagatcgcg aaaatgaaaa tgacataaat taggcataaa acgcagtaga gagttcaagt  240

gtagatggga agatcggtcc aggcaccaga gacatgtcca ttctcacaaa cataagccct  300

aaccataggc tccccatcgt catggaagcc aaagccaggc ctcaagcaaa aggaagagtg  360

cagatcccac gtgaactcac acgcgcagaa ggcgcaaggc agatccatct tcctgttctt  420

cccatcctga ata                                                     433


<210>      9494
<211>      542
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103b04a1

<400>      9494

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tgcaagcata cgtgtgattt tctggcacaa gaaggaaaaa gaaaaaaaaa aacaacgtgg  120

aatcgcaacg agataaggtg aaacaccaac gttgtgaggt gtgaacaaag tgggctctgt  180

tatcaatatc atcgggtaat tgaaactttt tagtggggtt tattggtctg aagcttgttg  240

gagttgggag tagttgaaga tgagaaacgt gcttcgttct ctgcgacatt tgcgaccagc  300

ctttcagagg caagattgtg tattgatcag tgttaatgtt gcagaagaac ctccatgtca  360
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cattggaaag agctgtcata tccatagttc agcttcagag ttgttgatca tgctgagacc   420

aactttaaaa accatttgtt tacaacaacc acgaaacctc tctcaaatga tgctgcaaaa   480

ctcacaaata gagaaacaaa gcaaagctgg cctctttgtg agtatgaacg aagaaatgat   540

at   542

<210>   9495
<211>   451
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103b04d1

<400>   9495

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tacatcaaat caattataca atatttttgc aaacactaat aaatatttga tgctatctaa   120

cacatctctc cctgagctgg tgtcaaatct aatgctctga agatggatgt ttttttgttt   180

gaaattttgg ttgttcacaa tattattcat tttgccccac tttcactcta tggtacaaca   240

ataggagcca aattgagcca aatctaatgc tctgccgatg gatggttttt tatttgaaat   300

ttttggttgt tcacaataat tactcatttt accccacttt cactctgtgc tacaacaata   360

gcaaccgaac tgtgatacga ggttttggat cctttcttca agcttcaacg gcattctgat   420

ccactctttc tttcttttct gctaacatgg c   451

<210>   9496
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220103b05a1

<400>   9496

agacattcca aaccatggaa ccattcactt catatgtaac tcctgggttt acaattcaaa   60

acactacaag actgatcgca ttttctttgc caacaatgta agctacttag tgcctaccat   120

gagaaccaaa taagacacca cttgtatcaa aaattgaagt tattaattat gtaatgcaga   180

catatcttcc aagcgagaca ccggctccac ttgtcaagta cagagaagaa gaattgaaga   240

atgtaagagg ggatggaact ggtgagcgca aggaatggga taggatctat gattatgatg   300

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tctacaatga cttgggcgat ccagataagg gtgaaaagta tgcacgcccc gttcttggag    360

gttctgcctt accttaccct cgcagaggaa gaaccggaag aggaaaaact agaaaagatc    420

ccaacagtga gaagcccagt gattntggtt accttccgag agatgaagca tttggtcact    480

tgaagtcatc agattttcta gcttatggaa tc                                  512


<210>      9497
<211>      524
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103b05d1

<400>      9497

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ttattaatga caaatacaag tacattcagc cactccaaat acataactta aacatacaca    120

actgatgaag gaatcagatt ccttctattt cacatttatt taaagccagg gacagtactt    180

cagcaaccat agagccctta gatagagata ctgttgggaa ttcctctgaa agtcaatccc    240

tcctcactag aaggatagag caaagtgtaa ggcattttag ccggcccata gcggtttctc    300

aatgtctcat tattgttctt ctctataagc ttcttttcaa tctcttcaag attctttcca    360

aacctcttaa aggcctctaa tggcccggca tcagaagtcc agtagtcacc gccatctctc    420

tgcccaaggt agaactcatc agatgcgtgc cttgataaaa tttctataat tgtaaggtca    480

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<210>      9498
<211>      597
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103b06a1

<400>      9498

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tcagccaagg gaaagggaac agagaacaac agttccatct atggttcgac cccaccaagg    120

acttccacac atactccgtc caatggaatc ctgcaagcat catattctct gtggacggga    180
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4317

ccccaataag ggagttcaag aatttggaga caaaagggt tccattccca aagagccaac 240

ccatgagaat atactctagt ctttggaacg ctgaggattg ggccacaagg ggtgggcttg 300

tgaaaacgga ttggagcaag gccccattca cagcctcata cagaaacttc aattcccaaa 360

cttcttgctc cactggccaa tcactggacg ccacggggca ggcaaagatc cgttgggtgc 420

ataagaatta catgatttac aattattgca ctgatatcag acgtttccct cagggccttn 480

ctncagaatg ctccattgca tgagaatatn tagatcactg ctgcatatca ttataaaatg 540

atcctcatga cgtgacacac atgtgttgcc tatacgtaaa ttaccttctg ggtaata 597

<210>   9499
<211>   440
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103b06d1

<400>   9499

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atgaatataa ttttgcacgc tataattatt tttcgccaca acaatggag tagtgctcaa 120

caaagcacaa accaacaata ataacagttt tagttgcatt aatttacaca agaaagtaaa 180

ttaacgttat aggcaacaca tgtgtgtcac gttcatgagg atcattttat aatgatatgc 240

aacattgaat taaatattct catgcaatgg agcattctgg aggaaggcct tgagggaaac 300

gtctgatatc agggcaataa ttggaaatca tgtaattctt ttgcacccaa cggatctttg 360

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<223>   Clone ID: jC-gmfl02220103b07a1

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4318

tgacttgaga gcaccttctg caagtgctgt tggagttgca cattcaaatg aaaagcttag   180

aactgtgagt tattctacga agaaccaaaa cggatttact ctcccaagga tcttagatga   240

aagctcaggc agagaaggca acaactgtga taacaataag gttaaaagga ctagtaaggg   300

tgtcaaatct atcagtgctg aagtttctgg gaaaggaaat gattttatta aagaagatga   360

gccaattagt ttattgcctc aaaagaggat aaatgaagct tcttttacta aattaaaatc   420

gagaaagaag acttgtgtnc cgtcagcaaa tggtaaatct caaggataaa agtgacatct   480

cacgttgatg agccanctga agtcgatgac ta   512

gaaatcagca ttattttgtt aattactaag gattgtacaa aattattatt attattatta   60

caactttaat ctagggacca gggataatgt tggcacaatt caggtatgtt ccctaaatga   120

aacgatgact gactcaaaag ggggagggaa tatgatatta cgtacacttg gatgaagata   180

agacagtctt tttccttta ctgggtttgt ttgagcagtt tcgggtgcta ctgcactttg   240

ggcaaaacca atcctcctca gggacagctg ttagtggagg atcgcagcaa tcgatatggg   300

taccgattcc acacccgacg gaaccacttt catcaccaca aatcagcatt acatctcctc   360

tatcccggga tccacatact ttgcaaatta tatcatcatc acgggaatct tcaggagcaa   420

cgagttcttc aacaatctct tctgccttgc ttttaagttt atcaaatgat ttctctgccc   480

agcatgactg ccatataata catg   504

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gaaaacccta gtgagcatga ggctatgcga aaaatgaaaa atgagtttat ggtaaattgg    60

gatggtctgc gtacaaaaga taaagagcgt gtacttgttc ttgctgctac aaacaggcct   120

tttgatcttg atgaggctgt tattaggagg cttcctcgac gattaatggt taatttgcca   180

gatgctccaa acagagaaaa aattctcagt gtcattttgg cgaaagaaga tttggcacct   240

gacattgatt ttgaagcaat agctaatatg acagatggat attctgggag tgacttaaag   300

aatctgtgtg tcacagcagc tcactgtcca atacgagaga tcttggagaa ggaaaagaag   360

gagagaagct tagcattgtc tgagaacaaa ccttacctg agttgtgtag cagcggtgac   420

attcgtccct aaagatggat gattntagat atgcacatga gcaggtggtg tgcagtgtgt   480

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<211>       356
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220103b08d1

<400>       9503

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actgaactgg aggggggggg gggaaaacgc caagggaata aaccaaaaac ataattaaaa   120

caagccgggg cggggcgggc ccaaaagcaa accacgaaaa gcctacgaag cgggggggg   180

ggctttaaga gggggaaaca aaaaccacag gccatcatgt tcaggggaaa ccaaaggggga   240

taagcaacct taacctaaca tggggggcctt ccaaacgtgc gaaactgggg gggggggaag   300

ggaaccaaag ggcaggaaaa caaccccgaa aagggcttga gaggggcaaa tccggg       356


<210>       9504
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<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220103b09a1

<400>       9504

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tgtcctactt attttgcggg gtctctcctg aaaaacacaa aacagagaga gcgagagagt   120
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gagacaatga accccataaa ttagaagggt gagcacctaa cagacccata ccacccaggc   180

tttctcttgt tgctctttcg acgagccaga ccctctcaaa tacttgatcc cactctttat   240

ctaggcccca tactacctaa acgatgagat cccacgagac aaatgctgag acactctacc   300


<210>      9505
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103b10a1

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caggctaaca tggctctctc atccccatcc tggggtggca gggaacagca atctggcccc   120

aacaacccca gcagcgggct gggtgagcat gaggaaaacc gcacccaagc aggtctcccc   180

aggatcccca gggtacgagg gcataccgaa tgaggtactc ggacccattc tgtggcggcg   240

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atgacaccca ctcaccttcc                                                320


<210>      9506
<211>      521
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103b10d1

<400>      9506

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ggccgcggcc gccctttttt tttttttttt tttcatttcc aaacacacta tctcgtgtat   120

attaaattgg ggtgtgccaa aattttgcct acaataaaac cacaagtgaa accaggaata   180

taaacaaact ttcactggtt ttttcgaggg ttccctctcg atcactgtga aaacactagg   240

caccgcatca gcatgatata tccctccaag ggaacactgt gaaaaacaac ggtctaaacg   300

gttaaacccg gcccgaatcc gaatagcacc ccccactcta acccttctcc agtggtactc   360

ttcccttcct cctaagagtt attcctcatc ccatccagaa tgaacaaaac acacgcgctt   420

gacatgtttc cgcactcact caccacatgc cgggtggact ggaacttctc cggattgagc   480
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4321

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<210>   9507
<211>   499
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103b11a1

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tgaggttaaa tgatgatgaa accctttcca atctccttgt taatttcata gaagagatcc   240

ttcattatgg ctccaacaag cacagtatta ttccctatat caagttcccc aaacttgatt   300

ctgtttccaa cttccaagac attttcaacc ttgcttttct caccctcttg ttcctagttt   360

gcatatatga agccccttct gatcttcgtt ctggttgcct tagcactttg aaagaacaat   420

tggcagggtg tcaatcaagg caagcatcaa aatttctgat gaaactctng ggttccaacc   480

tggaagagca gtggatgcg   499

<210>   9508
<211>   468
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103b11d1

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aataaaacga agaaaaaaaa tacatatttg tgatataata aattggtttc tatggtccaa   180

atcaaagttg attgatatat tcctatgcgt gactcctaag ctatgcaatt ttgaggtaga   240

ccgtttccct gaactcgaac ctcctggttt catggtagaa ggtcttgtgc ttgttaggcc   300

aatacgttat ccatatccaa ccccttatct cccactccat tgtcttcccc acagcacctt   360

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gcctcgtgaa aggacgataa gcacttgagt acctgtcttt gaaccatg 468

<210> 9509
<211> 400
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103b12a1

<400> 9509

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gcgtgtataa ttgaaggcgc gccacaatac gacccggcat acgatgactt ggtagccttc 180

tgcaaccgaa tggtgtagcg ggagcaacct ctacatgcca tatgggtgta ccgcgtagca 240

gagcgtacat tcctggggtt tggtgtgcat tttggacacc agtgcttcca cagtattccc 300

taacaaacgg tggacagagt actaccggtg cattattgga tcatatagtt gaggaccatg 360

ctgtttctgc atgcctgaga catcaagctg cttgccaaa 400

<210> 9510
<211> 412
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103b12d1

<400> 9510

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gaggactcaa tgatgaagga gtaaaactga gaaatgacca ctgatgcgca agagaggaga 180

ggagacactc atggaataca tacatggtac ttaacaaaaa gaaaaagtat acgtacctac 240

gcatatggga tacaaaatac acccttggtc accagcatgc ttgtctacaa tgcgatgcat 300

gcgcccatgg gatgagtctt atgtcccaaa gaccctcgac aactgagatt gatgagagga 360

aaagacgaac aagcctaaat tagggaactg ctgatacata tctctcagac tt 412

<210> 9511

4323

<211>   590
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103c01a1

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gagcttgaga aggggagaaa aaggaatagg agatggcaca gttagttatg gaatggatga   180

tggcgatgac atttacatgc gctcttggac tggaaccatt attggtccct ataatactgt   240

acatgaagga agaatttatc aattgaagct gttttgtgat aaagactacc ctgaaaagcc   300

cccgagcgtc cggtttcatt cacggatcaa tatgacttgt gttaatcatg aaactggagt   360

ggttgaatca aagaaatttg gtcttcttgc aaattggcaa cagaggttta ccatggaaga   420

tatactgacc cagctgaaga aggaaatggc ggcttcacat aaccgcangc ttgtccaacc   480

ttctgaaggt actcactatt agtgtccaag atcacactga tattgatcat attgcatttg   540

agtatgcatt atatagatgt aatactctga tccttctaaa tcagacatac   590

<210>   9512
<211>   540
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103c01d1

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catcccttca acaaagttga caatgtattg caacaaaact ctatggaggt aaagatgaag   120

ctctttcgag cattccccag tatgttcttg aatttagaag gatccagagt attacatact   180

atatattgca tactgcaaat gcaatatgat ccaatatcag tgtgatcttg gacactaata   240

gtgagtacct tcaggaggtt ggacaagctt gcggttatgt gaagccgcca tttccttctt   300

cagctgggtc agtatatctt ccatggtaaa cctctgttgc caatttgcaa gaagaccaaa   360

tttctttgat tcaaccactc cagtttcatg attaacacaa gtcatattga tccgtgaatg   420

aaaccggacg ctcggaggct attcagggta gtctttatca caaaacagct tcaatggata   480

aattcttcct tcatgtacag nattataggg accaataatg gctccagtcc aagagcgcat   540

<210>   9513
<211>   551
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c02a1

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tcttgggctt ttgtcttcgg cgttatgggc aacatcatct cctttggagt gttccttgct   180

ccattgccaa ccttttacca aatctacaag aagaaatcca ctgaaggttt ccagtcactt   240

ccttatgttg ttgcactgtt cagtgcaatg ctttggattt actatgcttt cgtgaaaagg   300

gaaactgccc tccttctcat taccattaac acatttggaa ttgttgcgga gtcaatttac   360

ctttctatct tcctaatttta tgccccaagg aagccaaggc ttacaaccat caagcttctt   420

ctcttacgaa tgtgtttgga ttcggggcca tgcttctatc aactctctac ctgtcaaagg   480

gagcatagcg tcttgctatc ataggatgga tctgccttgc tttcaacatc agtgctttgc   540

tgcacctctc t   551

<210>   9514
<211>   413
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c02d1

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taaaatgagt ttgactgggg gatacactga gaaaagagaa tatactacgt tacacgtagt   120

agtacaatat gagagtgata tgggccaaat tagagaggct aattcttgcg cccaacagtt   180

acagctaccc gaacaggcaa atttaaacca cacctttaca ttaatcaaac gaaacactta   240

taccaaagac tacgtactat tcttgcattg tagatatgag cgatattaga tgtgacctca   300

ctcagtaaag taattgaacg tttaattagg ttattttctt tgtttaactt ttcttggcat 360

tgatcccttg tttctccaca ttcatataat ctcaatgacg aaatcatatc aga   413

<210>   9515
<211>   515
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c03a1

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agcaaatgga gagccttctt tcgaaaatca cctctagaag atgtggtagt agttaagaat 120

aatgtttacg ataaagggtt cttccacaat attcaggagg ttatttcccc tttctctaca 180

aggcggtcct ttacacaaaa caaattgaag tccagctgaa tatgctccta acatacgtgt 240

ctttctagtg ggtagtgggt ctatgcattt ctttagatta cccaataaat catcgtgaaa 300

accagaaaaa tgatatatta aattctattt ttaaattaga gttctagact agatgtagag 360

tgaaaattga ttgtttgtta gccccttgtg tctctttttt tttgggttgg ttttgatgta 420

ttattcccta ttagaaaaaa acagaaagat accagtagag gaaccaggag tatatcaccc 480

aagatatatt ttctttgcaa tattgatccc caagc   515

<210>   9516
<211>   378
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c03d1

<400>   9516

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tactggtatc tttctgtttt tttctaatag ggaataatac atcaaaacca acccaaaaaa 180

aaagagacac aaggggggcta acaaacaatc aattttcact ctacatctag tctagaactc 240

taatttaaaa atagaattta atatatcatt tttctggttt tcacgatgat ttattgggta 300

atctaaagaa atgcatagac ccactaccca ctagaaagac acgtatgcta tgagcatatt 360

4326

cagctggact tcaatttg   378

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<211>   441
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c04a1

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aaagcatcgc agctccaaag gctcttaccg acgtcgctgc gctcatcacc tacacggagc   180

gcgccctacg agatctcgtc cgtgaccaca ccggcaacgg aatccggtcc tcagatctcg   240

gcgattccga ttccagatcc aaacagcgga agcttctgga agcaatcgtg gatcagttcc   300

cctcggagaa agccgcgttt ccgatccact tcctctgctg cctcctccga tgcgcgatct   360

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agcacgttac cgtcgacaac c   441

<210>   9518
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c04d1

<400>   9518

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aacgtttaca cagtgtttta aacaattccc ctaccccctt tgatgagaag atcgcaagaa   120

ttagagcgga gccctttttt ttgaaccttg gctttattca tgttcaccaa caagaggcac   180

gtagccgtga aaaccctaag aattctgcac attctctaca caaattgttt tctcccctca   240

acccgaaaat ggttattttt gaacccgggg tgtacctccc aaaagaaata tgctcagaga   300

ttaaggggat tcaaattttg gctaagacac agagaacctt cttctttggg gcttggttaa   360

attcacgttc ccatttttcca aatgggtttt tttcttcgac ccgtgtttta acggggttat   420

cttccccagg ggttt   435

4327

<210> 9519
<211> 477
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103c05a1

<400> 9519

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caatttttgg gatagcttca gctgatagcg tggcgcactc ttacatggac gacgtcatca  180

ccctcgtttt gggaagcttc attctcgctc tcgccgtcga acgctacaac gttcaccgga  240

gattggcctt gaatgtaaca ctgctgtttt gtggcgaccc ggtgaatcca gcgctgttac  300

tgttagggct atgcgcgaca atattcttcg tgagcatgtg gctgcacaac gtggcgacgg  360

cggtgatgat gatgccggtg gcgatgggat cgtgcagcgg ctgccgcagg cgcacgagca  420

gtcggaggcg gtgaacaaat tctgccgcgc ggtgattcaa cggtggttta cgccacg     477
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<210> 9520
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103c05d1

<400> 9520

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aacaaattaa caaagaaata caaaatagaa gcaagaaaga aagagatgga gatctttctc  180

tccttctcct ttgccctgtt gatatctaca cagggtattc cccattacct aaatatagca  240

gaaggccctg cacatttaaa ttttcattaa cctcctagac aaacaagatt ctgcaatttg  300

gagaagaaat caatcaattt ccaaaccaac gagagttttc cttggtcaat gtcccttatt  360

gagtatcatt gtttgttcca aaaacaatag ttcctagtga tggcatgaga agagataaca  420

caacaatccc aacaaccttg agtggcacgc caactttgag catgtcttta atttctatgt  480

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<210> 9521
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103c06a1

<400> 9521

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ggattgctca ggagcttatt aaagatcagg ctgccaacat gtatctatgg cccaaaacct   240

tggaagttca agtgttagat atgtcacaag ccttgaagag gcctgttggt attttacatg   300

taacggttct gcaagcaatt aagtcaaaga agaatgatct tcttggtgca tctgaccgtt   360

atgtgaagct aaaagctact gaggatcaat tgccatcgaa nagactactg gtgagcacac   420

gagctcaaat ctgaatgaat gaa                                           443
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<210> 9522
<211> 484
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103c06d1

<400> 9522

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acatgattga caaataaaac caatatatat cccaggaaca catgaaatac ccttctcacc   120

ttttccttac actgcatgga aaacaaattt ttaaaaagga aagaagggga gaaagaaaca   180

gaagtacaaa tctatggaga atttaatcat catgcttcca aggttctcca ctgcaactct   240

atctggaggc gaccattctt ggagtctata agatggtact tctcattgat tctttgttg    300

gcaacaacat ccccaagatt gatgtcgata taacccaatg gttccttttg gtggagcagg   360

tttcttgatg aagtactgac aacctccaca tgcaatctat cattggtggg aggctcctcc   420

accataaatt ggaactcatc ttcccatctt ggatctctgt tcttttaat gcgcctagtt   480
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<210>   9523
<211>   180
<212>   DNA
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<223>   Clone ID: jC-gmfl02220103c07a1

<400>   9523

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ctggcactga ggatagctca cacgcgcaga cgcactgacg atcacatcat ccgagactaa   180

<210>   9524
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103c07d1

<400>   9524

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gcaggtcgct cgcccttttt caatatataa tttttttttt tacgaaagca tattacttag   120

agaataggaa ggggattggc cctagaaccc ttccccaaaa agaaaaatgg aaagagagaa   180

acatatacta tattcaatca ttttggggta atacatttta attttcttcc ctaaactgat   240

catttcttta gtaaagacac catagtaaat tgcatagctt tacttattgc tcatcttcag   300

ttttaactta ttgtgcacac atcactcggt tcgtgctttt acatacagct ctcgcttgtg   360

ttctgaatta ccctcaggca gcgagtaact tctggatttc cttttcaatt tgaaaaggag   420

acgcttgtgg tgggtatttt tcaataactt taccattttt gtaaaccaaa aatttttcaa   480

aataccactt ataagatcac ccaaaaa   507

<210>   9525
<211>   512
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103c08a1

<400>   9525

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aacagagttg agtccgtgtc ttccagcaat cacttccggt gctaaacctt ccaatgcttg   180

ttgcacgaag ctgaagcagc aaaaaccatg cttatgtggc tacctcaaaa acgctagctt   240

gaagcagtat gttaactctc ctaatgcccg aaaaaccgtt gcttcttgtg ggattccctt   300

tccaacttgt taattaatta agccttctta taattaaagt gtgggatata tatatatata   360

tagataaaca gtttaattta tacancactt tgatcctaca aagcatcttg acacaagcat   420

tcaataggat ttcaccactt tatcgcaaca ttntaacatg atgcgggtat aaagtaaatt   480

cttggtgaat attttgataa cgatgttata ta   512

<210>   9526
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103c08d1

<400>   9526

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tgatatgatc atccttaaca tattcaaaga tagctaaata cttaactgtt taatatatca   180

cacaaacgtt gagggaccta tatagagtaa ataataaata taagtttaat ttatacaccc   240

aaactatgag tatataacat cgttatccaa atattcaaca agaatttact ttattaccgc   300

atcatgttaa aatgttgcga taaagggggg aaatcctatt gaatgcttgt gtcaagatgc   360

tttgtaggat caaagtgtgt ataaattaaa ctgtttatct atatatatat atatatcc   418

<210>   9527
<211>   332
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220103c09a1

4331

<400>		9527

accttgttgg gctctttgaa gtctcttttt attgtgccat tcacgcctat cgtgtgactg		60

tggtgcccaa ggatattcaa ctggcaagaa ggattcttgg cgagcgggct tgagttggag		120

aatcctgtgt tagtgaagat ggattgttgg tgggtgctga tggtagttcg tactaagatt		180

ttttttttgag gaaaccgatt tgctataaga tccttcaacg tgtttacttg gcagtcctat		240

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ccatgtgtgt tgattttatg gatcctttat tt		332

<210>		9528
<211>		425
<212>		DNA
<213>		Glycine max

<223>		Clone ID: jC-gmfl02220103c09d1

<400>		9528

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aagggttttt ttccttaacc cggacgggca gacgcgggtg attggggtcc acatgcctta		120

aaaaaaaggg gaaccggccc cttttataaa aaaagttcct accaaaagag cgccgtaaga		180

tcccatccac atacaaattt tccaggcttt cctccaatgg tgccctcccc cctttttttt		240

ttaaacatcc ccggccacga gggccccgtt ggtgagttcc ctttaggcag ggacgggcca		300

actgaaaccc ctgaaaagca agcgagaatc ccaaggaaca ctcgggagga tcccctctct		360

gggggggaaag ttttcattcc ttatctcaaa gggggggctc cgacccaccc aggcgttcca		420

ttccc		425

<210>		9529
<211>		471
<212>		DNA
<213>		Glycine max

<223>		unsure at all n locations
<223>		Clone ID: jC-gmfl02220103c10a1

<400>		9529

aggaattgaa gctcggggtt tcatttttgg ttctcccatt gcactggcaa taggagcaaa		60

gtttgtacca ttgaggaaac cgaaaaaatt gcctggcaaa gttatttctc aagagtatat		120

4332

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tctggaatat ggaagagact gtcttgagat gcatgttgga gctgttgaac ctggtgagcg   180

tgctttagtt gttgatgatt tgattgcaac tggaggaaca ctctgtgcag ctatggactt   240

actagagcga gtgggagcag aggtagtgga gtgcggatgt gtaattgaat tgccagaatt   300

aaagggccgt gaacggttga cgggaagcc cttgcatgtg ttagtggaat gttttgagtg   360

ctgtgaatag atgaagatgt aaatggggga gatgcgtcac caccaagtgg gtactttcct   420

atatggaaat nctctgcttn cttcttttaa cgattaatga aatagaaaga c           471
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attcaaaggt tgggttttat ttgaaataaa agggggggca agccaagaga ggatacacca   60

aaggggggcat acaaagccaa aaaactaaag tgtaattgtt ctagttcca aatacaatta   120

tattgcccca aaaaggattc ttttcaaaaa aaaatcccgg ggcaaagcca ttcatcgaat   180

caaaattggg gaaggccccc cctttcactc ccctttaaat aggaagaaac caatgatttt   240

catccacgaa agtaccccct tg                                             262
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gcattgcgtc tcaccagatc cttggaaatg aaagcctctc agcttctaga tgcaatacct   60

aaaccatttt tgtctcttca tcttcgtttt gagccagaca tggttgctta cagccagtgt   120

gagtacccgg acctgtctcc tgcttccatt aaagccatag aagcagcaca agtggacaga   180

aaaccatgga ctggagagtt agcccgtgtt tggagactac gtgggaaatg cccacttaca   240

cctaacgaga cagctttaat acttcaatct ctttccatcc cactaacgac aaatatatac   300

ctggcagctg gagatggttt gatggaaatc gaagggttga tagataccta tgccaacata   360
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4333

gttactaaat caagtcttct cagtagagaa gacttcacaa gcatgcatgg caacacaaaa 420

gctgctttgg attattatgt atctataaca gtgattcata tatagccaca tattttggga 480

atatggatta gatggtttca agcatgagag ctttc 515

<210> 9532
<211> 431
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103c11d1

<400> 9532

cggccaaaaa tttcattagg gatagtaaaa agcatcccat tcaatacaaa ataataaaaa 60

agctgacaga agctaagggg ggacaaagca aaattaaatt aatattgtca aaactacaaa 120

aacgatgaat ccgagatcca aaatcacaac ttgaattcgc aaaaaccctc agacagagca 180

gagccttttc cctttgcaaa atcatttttg ggaagcttcc atagggcttg cttaaactcc 240

tttccattaa aaccctgggg ggttaattgt gcaaaacctc ttctgctaaa aaatagagtc 300

ttggacaaac cattgaaagc tctcattggt gaaaccattt tatccatatt cccaaaatat 360

ggggctatat atgaatcact gttaatagat acataataat ccaaagcagc ttttgtgttg 420

ccatgcatgc t 431

<210> 9533
<211> 85
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103c12a1

<400> 9533

tatcaggctt ctggtatctc cttctattct ctagcaagcg gtacattgac aaacattgag 60

ggccctgtcc tatattagct caacg 85

<210> 9534
<211> 568
<212> DNA
<213> Glycine max

<223> unsure at all n locations

4334

<223>   Clone ID: jC-gmfl02220103d01a1

<400>   9534

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tgtggtgttt ttccttgatc ggtcttagtt cccaagcaca gaattacact tttgttgtga   180

gagaggccaa gtatacaaga ctctgctcca caaaaagcat attgactgtg aatggagaat   240

ttcccggacc aactattaga gccaacagag gagacacaat ttttatagat gtttacaaca   300

agggcaactt caatattact ttacactggc atggggtgaa gcagccaagg aatccatgga   360

cagatggccc ttcatacatc actcagtgcc caatccaacc tggaaggaaa ttcacacaga   420

ggttgatttt tactttcgag gaagggacca tatggtggca tgctcatagt gaatggttaa   480

gagccactgt ctatggtgct atccacatat atccanataa gaataatccc tacccttttt   540

cccacccgat gcagagattc ccatcata   568

<210>   9535
<211>   371
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d01d1

<400>   9535

aaaggaaaat ttaatgttat aaatctccga tgttgatgga caaaccccgc agtgcaggtg   60

ccaaaaataa taaaagaaca aaatcatgac aaatcaaagc acacggagaa cttttgtctc   120

taaatttgca atacacgcct tcctgaaaga aacgaaaaag gtaaaacaaa tgtgtaactt   180

attgttttca aagttcactg aatagggaaa atccagaatt taattttctt caacatgggg   240

gcatgtctgg cggtggtggt ggcaatctta gattttcaga ctctccatcc ttcacaataa   300

aaactgtctc catacccaa gattggtggc gttctatatg gcagtgcata aaccatactc   360

cagggtttac a   371

<210>   9536
<211>   560
<212>   DNA
<213>   Glycine max

4335

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103d02a1

<400>   9536

cggctcgaga cttcaggtcc tttgggccca tctgaaaagg ttcactcact tccctatgtt   60

gatccaaggc aaccagttcc agtaagaatt gtggacccat caaaggactt gaattcttat   120

ggtctgggaa atgttgactg gaaagaaagg gttgaaggtt ggaagctcaa gcaggagaaa   180

aatatggtgc aaatgactgg tagatacact gaagggaaag gtggagatgt tgaaggaact   240

ggttctaatg gagaagaact tcaaatggta gatgatgctc gacaacctat gagtcgtgtt   300

gtgccaattc cttcatctca gctgacacct tatcgtgttg ttatcatcct ccggttgatt   360

attcttggtt tcttcttaca tattcgtgta actcaccctg tgaaagatgc atacnccatg   420

tggttgacat tcagtatttg tgagatttgg tttgccttat cctggctctt ggatcagttt   480

ccaaaatggt ctcccattat cgtgagactt atcttgaacg acttgcttta aggtatgacg   540

tgaaggagaa cccatcacag   560

<210>   9537
<211>   392
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d02d1

<400>   9537

aaagaacaaa acacaggacc ttgttggctt tcattaaata ttcgcataaa caaatttata   60

ttcagtggga aaaaatata acatacacct caacatgact gattattctt gtaaggaaca   120

tgttgataaa taaatataaa taatagaaac agagagggta acattcccat ctatttcagg   180

ggttcaatcc tccagacaac cttgataggc tgaaaattct tgctatatac acgacagcaa   240

ccttgtcatg aatcttacaa gagaactaac agttgatacc acattgacca ttggttaatt   300

tgttggagtc agaggtgaag ggatcaatcc tcacccacag caaggagaat attgaagcaa   360

gaagaacgga ccaaacaata acaatggttg gg   392

<210>   9538
<211>   526
<212>   DNA
<213>   Glycine max

4336

<223>   Clone ID: jC-gmfl02220103d03a1

<400>   9538

gttgaaaaag cataacgaag gtggtttgtt tttccgtctt aatcaaaatc gcgaatcgaa   60

ttggattgga tacaaccata tataagcatt caacacctca cctgcgctgc gtgttgtcgt   120

ttggcttgct ttcctcaccg aacgaaagta acttaacccg caaactccaa aataccctct   180

ctctctctct ctctctcacc aaccactatg ttgcagagac ctagacgccg ttgcgagggc   240

actgccatgg gcgccatcgt tctcgatctc cgtcccggtc tcggaatcgg accccttctcc 300

ctcgggatgc ctatatgtga agcatttgct cagatagagc agcaacccaa cttatacgat   360

gtggtgcatg tgaagtattt tgatgaggaa ccctgaagt tggatattgc tattagcttt   420

cctgatcatg gattccatct tcgtttcgat ccgtggtctc agagactgcg gcttattgaa   480

atatttgatg taaagcgact tcagatgcgc tatctactt ccttga   526

<210>   9539
<211>   353
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d03d1

<400>   9539

aaagcaaaag gaatttattg cattttcttt gtggaagatg aaaatgttag aaaattacat   60

aatttaacag gatttttatg tacaatttgt tacacagctg tacaattttc atagcccctt   120

gccacgacaa tgatgatgat ggatagctgc aatatttata cacagtgccc gtacaaccct   180

acctgttacc cctgaatttc catacacaac cttgggaaat cttggaacaa tatggagaag   240

attgagtaac caaaagcgcc atcatcatga ttggaagaga gttattgatg caatataacc   300

attcttcatg acctcaaagg caatattttg actaccatat acaagagtag aac   353

<210>   9540
<211>   519
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d04a1

<400>   9540

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gctaatgtgg cttgtaaaag tgtgagaatg agaggtaagg ataggccttc aatggacaaa    60

gtgacaacag ttttggagag agcacttgca cagttaatgg ggagcccttg tattgagcag   120

ccaattttgc ccactgaggt ggttttggga agtaacagat tgcacaagaa atcatcttca   180

aacaggtcag cctcagaaag cactgatgtg gaggatcaga ggtttgagtt tagagcacca   240

tcatggatca ctttccccag tgtcacttct tctcaaagaa gatcgggctc ggaggccgaa   300

gtcgagggga aaaatgcaga aggaaggaat ttgagcaatg ttgacgacgt gtggctgttt   360

gcagaagtct tgatgaagag attggtcttg cctctcctcg agagagattg ttcttggcac   420

acaacttta accgtgggaa atttgaagga agcagatggt attagtaaat tctggtctgc   480

tttgcttaac tgatgagttt catcatgcat ggatgcaac                          519
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<210>   9541
<211>   380
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220103d04d1

<400>   9541

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gggacccggg ggaaaaaccc cccccccaa aaaaggggg ggggggcccc ccccccccac    60

aggggggtccc ttggaaaaaa aaaaaaaaac cccccccaa aaaaatgaa aaccacccc    120

cggggaaaag ggaaccaaaa aaaggggag gggcccccc gcggggggaa aacccccat    180

agaaacaaag ggaaaaaaaa tttacaaaac cccccggggg gcccaaaaaa accccaaaaa   240

aaaaaggggg ggggaaaaaa aaccccttctg gggggggggg aaaaaaaaat tttttaaaaa   300

gatgtacaaa aaaccccccc cccccncaa aaaggggaaa aggccctccc ttgggatttt    360

cccccacaa tttggccccc                                               380
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<210>   9542
<211>   455
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220103d05a1

<400>   9542

4338

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cacgctctga tcttcatgaa tctaggaacc tgcgccgcgg gtgcaccgta ccgttgggtg      60

caccttctcc ctcacgaagg aaagagaaga tgtgcgagtg tgagagtgag agcgaatgcg     120

agtgttggaa gaggaaaagg agatggcgaa acggcgtcgt atttggacat gtggaagaag     180

gcggtggaga gagagaggaa gagcgcgagc ttcaactcaa tagcggaccg cgtggcggca     240

aatactgatg acaacaacga cgacgatctg gagaagaaga ccagtgagtt ccagaagctc     300

ctccaagtct ccgccgaaga gcgcgacagg gtgcagcgca tgcatggtca tcgatcgcgc     360

cgccgacgnc atcgccgncg ccaggcaact ccttcaggaa cgcagtgccg ncgattccag     420

ccaccacgaa gccaccgtcg acgaccgacg tgacg                                455
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<210>   9543
<211>   481
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d05d1

<400>   9543

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ggaacgaaat atatgtatat tttgctgttg tatgggaaac aatgaacatt ttattcagtc      60

cttaaaggct taaagtacta gaagagctta aaaatgatca tcatacaagt tggcgtatta     120

ccatactaaa gacgatgggg gtttgtaata aggttcctat ttatttttta taaggtttga     180

gcaaatcaag gttcctgaac ttgctgtatt tccagtattt cagatggttt gggaacttcc     240

ctgagctgga cggagttttc gaagcaattg aagaaaccat aatgggggaa tttctcatac     300

caggtttctt ctcttgcgtg tgtgtcccag tgttccccaa aactgctctg gccgtacttg     360

tgaatccaac cagagccatt gtgttgctca ccccaagttc ggttccagcg tcgccatgc      420

ctaccttccc accagatttt cccctgcttc acaccattag catttggatc aaaatttttta    480

t                                                                     481
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<210>   9544
<211>   361
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d06a1

<400>   9544

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cacgctctga tcttcatgaa tctaggaacc tgcgccgcgg gtgcaccgta ccgttgggtg    60

caccttctcc ctcacgaagg aaagagaaga tgtgcgagtg tgagagtgag agcgaatgcg   120

agtgttggaa gaggaaaagg agatggcgaa acggcgtcgt atttggacat gtggaagaag   180

gcggtggaga gagagaggaa gagcgcgagc ttcaactcaa tagcggaccg cgtggcggca   240

aatactgatg acaacaacga cgacgatctg gagaagaaga ccagtgagtt ccagaagctc   300

ctgcaagtct ccgccgaaga gcgcgacagg gtgcagcgca tgcagggtca tcgatcgcgc   360

c                                                                   361
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<210>      9545
<211>      367
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103d06d1

<400>      9545

ggaacgaaat atatgtttat ttggctgttg aatgggaaac aatgaacatt ttattcaggc    60

cttaaagggt taaagtacta gaagagcttt gaaatgatca taatgcaagt tggcgttttt   120

ccatcctaaa gacgatggag ggatgtaata gggctccttt atcttttta tagggcttga    180

gcaaattaag gttcctgagc ttgctgtgtt gccacctttt gagagggttt gggaacttcc   240

ctgaactgga cggtgttttc gtggggattg aacaatccat agtgagggaa tttttgatac   300

caggcatttt attttgcgtg agtgccccag agggccccac aactgttctg ccgtacttg    360

tgaatcc                                                            367
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<210>      9546
<211>      469
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103d07a1

<400>      9546

cgagaggtac ttactcacag atatattttt ttttttgtc tccatcattt tctcgagagc    60

tttcagtttg tgtggttcat ctttcttctt ctccttccct ccccctctg taacaccccg   120
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cttctctgaa tccccttct gttaatcatc tgtctttcaa gctaagattt tcgggtttgt    180

ctattaattc accaagaagc aaacttagaa ggattttcg aaagccaggt gttttcagaa     240

acgagatcca ggttttattg tcgaatttcg ctagtcaaat taattttcat aattattttt    300

ttcttgaaa ccagccagag ggttattttt gatccctaaa gctaatttct ctctctcttt     360

ttttatttcc gggactgaag angtatgcct atttgaaatc tccttcatcc tttcctttct    420

tgtagaaaac tttctaaatt gttttgtcag tgggtgtttt aattaacca                469
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<210>      9547
<211>      448
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103d07d1

<400>      9547
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agtagaataa tatattttat aagatgatga aattgaagta gattacagcg atgcacttga     60

aaaacatatt aagcggacta attctccctg gtcaagcaag aaaaaaacca gctgtgagca    120

aggtagagag attatacaca gaatagtact agccctgcaa ttgccaaaaa ctccattgca    180

gtagcagcca cctaagagac actaagacct agactagacc atacataata ggacacttca    240

cagagaatcc caatcgatct cataagaggg gtacttctgg agattataat tatccgaatc    300

accttcccac tgagcctcgc tcacgtcagc aaacgtcaga tccgaaagcg gcgaagaacc    360

ttccgacgac caggacgcag cttccacctt acaagagttg ttgttctcct tgtcggaaac    420

aaccttctcc gcgagtttgg aacgcgac                                       448
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<210>      9548
<211>      483
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103d08a1

<400>      9548
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tgacgaagga gaaagaactt gtcctctctg tgctgaagag atggatttga cagatcagca     60

attgaagcct tgcaaatgcg gttatgagat ctgtgtctgg tgctggcacc acataatgga    120

catggctgag aaggatgaca ctgaggggcg atgcccagca tgtcgatctc cttatgataa    180
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ggaaaagatt gttgggacag ctgcaaactg tgacagattg gtgaatggag ttaatattga   240

gaaaaggatg aagactcaga aaacgaagtc taaatcaact gatgggcgta agcaactcag   300

cagtgtgcga gtgattcaga ggaaccttgt ttacatagtt gggttgcctc tcaatcttgc   360

agatgaagat cttcttcagc gaagagagta ttttagtcag tatgggaagg tcttaaaagt   420

gtcaatgtct cgaacagcag ctggtgccat tcaacagttt ccgaatgata cctgcagtgt   480

ata   483

<210>   9549
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d08d1

<400>   9549

tgtcgccctt tttttttttt ttttttttctt tttttgaaa gccatatttc cctttattaa   60

ataggggattg ggtattggtt tataatctgt tcctcctaat tacaaatata atgagtataa   120

cctttttcttt attcaattat tttggggtaa tacaagtata attttcttcc ccaaactgat   180

aatttcttttt ttaaaaacac caaaggaaat tgcatagcta tacttattgc tcatcttcag   240

ttttaaccta attgggcaca cataactcgg gttgtgctct tacaaacaga tcaagtttgg   300

gttctgaatt acacctaagc agcaagtaac ctctggataa tcttttaat ttgaaaagga   360

gacgccgttg gggggaatct ttcaataacc tttacccttt tttggccccc agaaattgtc   420

aaaaataccc cttttta   437

<210>   9550
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d09d1

<400>   9550

cctcgccctt ttttttttttt ttttttttttt tttttttttct acacatttttt tttctttggg   60

tttggttcat tttttttttttc ctttttttcc tggagaaaaa aggggcggtc aaattttccc   120

ttttttaaaaa aatacccccgg cccttaaggg ggtttccgcc cccatcccac aagggggtctt   180

taaaaaaccc aaaactggtc cccctcccc aaggaaaaac cttaaaggtc caaaaaaggg 240

gttttggccc cccaacaaga tacccctgg gtttcaaaaa cccttttttt ccaccccttt 300

tttttttttt gggccagaac cgtctatcgc actttatgaa aaaccctccg ggtttaaggg 360

gaaaacccc ttccttgagt aaaccccca aaaaaacctt ttggcacccc atcccaaaa 419

<210>   9551
<211>   482
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d10a1

<400>   9551

cccagaatca atttgttttg gcatcacaac agcaacaggt cttggcacag gctcaggcac   60

aaaataacct tggaaattct aattatggtg acatggatcc tcgtagactt tctggtcttc 120

cacgaggtag cttaagtgca aaggatggtc agtctactag aaatgatgga tctatttgct 180

cccaaatgca gtcagattca cctaagatga agattgctca gtcacaacat tcattatctc 240

aacagcagga gcaattacag cagcagagta acagaaaaag aaaatctgga gctgccaata 300

gcactggtac aggtaacact gctgctcctt tccctacttc atcaccatca acacatacca 360

cctggtgatg gattaaatac agcaagcagc atgcagcatg tccaaaagag catgatgatg 420

tatggtacag agggcacagg aggccttgca tcatcgtcga atttgctgga cgacatggat 480

cg   482

<210>   9552
<211>   554
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103d10d1

<400>   9552

ctaaaagcaa aattgttttt atatttatgt actaatagtc tagtatacct tattacaaca   60

tcaacggtgg gagaaaccaa ctaagattaa gctagtgatg aggtttggat agactcaaac 120

ctcattgcca ctattatata aaaataaaaa agaaaacttt cagagacccc tttttgcttt 180

caatataggt ctctgatttc tttcatatac agtactactg acaaagaata tatgcgatgt 240

4343

tagaaccta aatcaggaatt ttatttccac agctttacat agttgtcatg acttgcagag 300

gcaaccattc cagtgacaga agactgagcc aaagcagata ttacattttc atgtgtagta 360

attgtcatgc ttttgttctc tgtcatgttc cataactcca aggatgaaat tcctccaacc 420

accaacaaag ttgaataact tggatggaaa acacaggaat gaaattggtt cccagggggag 480

ctgaactcat gaatgcattc tcctnctgag gtcagactcc aaaccttcac caaatttgaa 540

ctcacagatg ccca 554

<210>   9553
<211>   301
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103d11a1

<400>   9553

gccgtttgat tacggtgccg gacacgtcga tcccgtggcc gctcttgatc ctggtctcgt 60

ctacgatgcc aacgtggacg attacttagg gtttttctgc gcactaaact actcgtcatt 120

tcaaatcaag cttgctgcga ggggggggact atacgtgtga cccggagaaa ggttaccgag 180

gggaggattt ttattattcc tcttttgcgg gtcctatgga tacagcttcc gggattgggg 240

gagggtccga tactctgaag accgggaagg actcttgggg tttgacttac gtgggagctc 300

c 301

<210>   9554
<211>   557
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103d11d1

<400>   9554

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ttatcttttt ctatgtacaa ttattgttat tattccatat ataaagtttt ctcctgaact 120

tcagcctacg gaataaaaac agcaaagtga ataagtgaga tacataataa aaacaagccg 180

tatcgggccg ggcccaaaag caaaccacga agagcctaca acacttgagt gggcccttttt 240

atttgggtca tacatttttcc acagcccatc atgtccagct gaacgcaatt ggactaccaa 300

ccttatgctt cccatccgtc cattccaaac gtgcgaagct ggtcgtccca gacggcatcg 360

aagtgtatgt aaacgacacc gtatagtcct tcttctcgta caattccgtg aaactcaacg 420

tattcggttc caccacagtc ttcacttttc gaatccccca cgacatcacc gaagctttgt 480

acgttcccgg agnctccacg ttagtcaaaa ccctagagta cttcacggtc ttcagagtat 540

cggaaccctc cccaatc 557

<210>   9555
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103d12a1

<400>   9555

aaaacactca taacacaaag cacaaagcaa agctcatcct tgagttaaaa aatggcagca   60

gcttcttcca tggctctctc atccccatcc ttggctggca aggccgtgaa gctgggccca 120

tcagccccag aagtgggaag ggtgagcatg aggaagaccg tcaccaagca ggtctcctca 180

ggaagcccat ggtacggccc agaccgagtc aagtacttgg gcccattctc tggcgagccc 240

ccgtcctacc taaccggtga gttcccaggc gactacggct gggacactgc tgggctttcc 300

gcagacccag aaaccttcgc caagaaccgt gaactcgaag tgatccactc caggtgggcc 360

atgctcggag ccttgggctg cgtcttccgg agttgct 397

<210>   9556
<211>   516
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103d12d1

<400>   9556

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tttccgggga cgaagttggt ggcataggcc caggcgttgt tgttgacagg gtcagcaagg 180

tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca 240

4345

aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa 300

gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca 360

gtgacctcac cgaggggcc accagcaata cggtaacctt caacggcacc cattaggata 420

acttgtgtgg cccagatggc gaggatgctc tgggcgtgga tcaggcttgg gttgcccaag 480

tagtcgagcc caccctcgct gaagatctgg gacccg 516

<210> 9557
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103e01a1

<400> 9557

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tttctacaac actggtgctt tgtgctgggt taagtccaac gccaatctga agcagcaagt 120

gggtttggca cccaagaccc atttgttcat ttgaggggaa taatcagagg aagtttgtgg 180

caatggcttc taccgttcct gtggagcaag tcaacaatgg ccccctgcag gtgacaggtg 240

actccttcat cagagagcat ctgaggaagt tggctcctta tcagcccatt ttgccctttg 300

aggttttatc agctcgcctt ggacgtaagc ctgaggatat cgtgaagtta gatgctaatg 360

aaaatcctta tggtccccct cagaggtcat ggaagcccta ggatcaatgc aattcccata 420

tgtctatcct gacccagaga ccgcagatt gcgcgcagct cttgcccatg attcangcct 480

tgaagctgaa tatattcttg canggtgtgg t 511

<210> 9558
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103e01d1

<400> 9558

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atataaagct acatccacat cccttgccaa aatcaacata ttttcttcta attttgacgg 120

4346

ctctatataa agattagcta agaggagttt agcatgacgt gttacaatat ttattacatc   180

aaattttcct cctacgagag tctcttgagg cacttcataa gtgtatctgt ttgttcaggc   240

ttcccaacag tcacacgaac gtaccctttc agctctttct tgtcatagtg acgaatcatc   300

acacccattt gtgctaggtc ctcctttagc ttctttgcat cctttcctga tgtaacctca   360

caaagaatga agttagaatg gcttggaaat ggccggagga atggaacttc tttcaaaagg   420

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ttttgcaatg ctgcacatgc agaaatttca gcag   514

<210>   9559
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e02a1

<400>   9559

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tgaagaaaga ccttttcctc caattgcaga gtcaaagttt aaggcctaag ttctctcagc   120

tctcattcaa ccccacttcc atcatcaact tcttcctttt cttcaccccg tacattcaca   180

actctggccc tcttcaaatc taagaccaaa gccgctcctg ctaagactaa ggttacaaag   240

ccaaagcaaa aggttgaaga tggtatcttt ggcacttctg gaggatttgg ttttactaag   300

cagaacgagc tctttgtggg tcgtgttgct atgcttggtt ttgcagcatc actgttgggt   360

gaaggaataa ctgggaaagg aattctagca caattgaatc tggaaactgg aattcccctt   420

tatgaagcgg agcctcttct tctggttttc atcctcttca ccctgctagg agccattgga   480

ggtttaggtg accgtggaaa atctgttgat gacgaaccta ctac   524

<210>   9560
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103e02d1

<400>   9560

atgatgaact caatgcattt tatgatagat gagcaaacga gtatttgttt aaacacaaac   60

4347

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aaacaaaagg gttagtgtct aatcatcctc cccctcatct gtaacgaatt tgccagttcc    120

aggattcaaa gcagcaatga agaagaaaag aacattgaac aacactaggg gctcgatttc    180

gttgattggt accccagtct caatgttgag ttgggctagt gctcccttc cggttataat    240

ttctccaatc aatgagaaaa cgaaacccaa ttgagccaat cttcccacaa atagctcgtt    300

tgctttcgtg aatccaaata aaggacctga accaagacca agagcttccc tgaagccttt    360

gcctggagga ataacaccnt cagtagtagg ttcgtcatca acaaattttc cacggtcacc    420

taaacctcca ttggcntcta gcagggtgaa gaggatgaa                          459
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<210>   9561
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e03a1

<400>   9561

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ctttcctgtc tctagctgta acgccgatta tttatttatt ttaattatga tcatctcatc    60

tcacccaatt caattcacgt accttggaat cgattcttag ggtttctgac tcctttatgt    120

gtttgtctcg caattgatca tcgcaaccac aatgtccggt cccctcgatc gttttgccag    180

accttgcttt gaggggtttt cgggcagtga cgagaagaag gagaggagat ctgacttcga    240

gaactccgag gatgaaagga ggaccagaat tggatctctc aaaaagaagg cacttaatgc    300

atcctccaaa ttcaaacaca ctcttagaaa gaagagtagc aagaggaaaa gcgatggccg    360

tgttagctcc gtttcaattg aggacgttcg cgatttcgag gagctccagg ctgtcgacgc    420

ctttcgccca tccttgatca tggacgaatt gctccccgaa gcctttgatg attaccatat    480

gatgttaaga ttttttgaaag cg                                           502
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<210>   9562
<211>   296
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e03d1

<400>   9562

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gataggaggg gaaaaagctt ttcgactaac aaaggctaac aatttgtaac aaggatagac    60
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gatggtatga ccattacata agcaaagagg ctcacgtttt acaagccatc aatgattgca    120

ccttgaatac tcacacgcct aaacactaat ccattatgtt tactgatgta ctgaaaatct    180

gcggtctgag tgtcattatg ctcaaggaga tcattcctta tgaacacccc aggctctgag    240

acatcccta tataaagttt cccccactcg tatatgttac caacataact tatttt        296


<210>      9563
<211>      538
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations .
<223>      Clone ID: jC-gmfl02220103e04a1

<400>      9563

caaatccttg gcaagcccat gatccagaga acatgggaaa gggcaaagct ggcagctaca     60

ttggatcata ttgttgtggc aactgatgat gaaaagattg ctgattgctg tcgacaattt    120

ggagctgatg ttataatgac atcagaatct tgcagaaatg gtactgagcg ctgcaatgaa    180

gccctacaga agcttgggaa aaaatatgat attgttgtca acattcaggg tgatgagcca    240

cttattgaac ctgagataat agatggtgtt gtgaaagctt gcaggcagc tcctgatgca     300

gtgttcagca ctgcagtcac atctttaaag cctgaagatg cacantgatc caatagagtg    360

aaatgtgtgg tagataatcg tggttatgcc atttatttt cacgaggatt aatcccattc     420

aacangtcag gaatggtcaa tcaacagttc ccgtatttgc ttcatcttgg gattcagagc    480

tacgatgnca aagttctgaa tatataccct gatcttcaac ctactttcgt gcaactcg     538


<210>      9564
<211>      488
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103e05a1

<400>      9564

gaaaaaacca aatttgctta acctaagcga ccatgctata aggagcaaac atctaaggtg     60

tgtgtcttaa ttgcatttgc atagcatgga catcaaaacc tttgctttcg ccccatcttc    120

tccgccgtta cccggtaatc gccgccgcca agctcgccgg aatctctccc tcgattgata    180
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4349

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cctctctctc tcctgactca cctcccgcat ttatcttctc cgatgggctc aagttgcatg   240

gagcatatgc tcttctacgt tatatcggcc gagttgccag ccttcccaat ttctatgggc   300

aaaatgcatt agaatctagc cagactgatg aatggctgga ctatgctcct atcctctcat   360

ctggccctgc ttttgagaat gcatgcaaat atatagatga gtacctggag aagtgtactc   420

tgttgggtgg gtattcactg tcaattgcag acctagcaat ctgagcaggt cctgcangtt   480

ctggaaag                                                            488
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<210>      9565
<211>      458
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103e05d1

<400>      9565
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gtcccaaaaa taacaaagac gaattttcca attactagta aaaaatccag atataatggt    60

ttgcatataa acagtacaat gtgatggtaa acataaaagt agttccacaa acttgttatc   120

accattacca actattctga gtgtgaatgt ggcccaaaca gtttcaagac caaaaagatt   180

acttcaaact tgtctgttgc ctgccatcag ggattgcata tagcacgatt ggttgtgagg   240

ggcgaatgaa gggtaaatca cacctgaaat atccctttct ctccagttgc aataaatctc   300

cacgctgaag atttcgcatg ttggagtctc cataagctaa agtctccttt ttggtacatg   360

ggttaaccac atcaatgaaa tcctcccctt cttcaagctt tttctttgta attagataat   420

caaactccac taatgtcagg ctaactagtt catctatc                          458
```

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<210>      9566
<211>      466
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103e06a1

<400>      9566
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ctcccacaat ggacctccat cgccggccgc cgcccgccgc tgacgacgga gcaatccacc    60

ccaagaagag gagggacact tcctctccca aggcctccga cgctctccct ctccctctct   120
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4350

acctcaccaa cgcgatcttc ttcacgctct tcttctccgt tgcttacttc ctcctccacc   180

gctggcgcga caagatccgc agccacaccc ctctccacgt cgtcactctc tccgagatcg   240

ccgccatttt ctccctcatc gcctacttca tctacctact cggcttcttc ggcatcgact   300

tcgtccagtc cttcatctca cgcgcctgca acgacgcctg ggacctcgac gacgcccgta   360

cagattctnc ctcttcctct ccctctacct ctacctcgcc cgcaattacc aaaatgccct   420

cacgggatgc ctcgattata ttatcctccg aggatgacga ggagat   466

<210>   9567
<211>   485
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e06d1

<400>   9567

acccttaaac agaaatacat tcattaatta gataaagact tgagacaatg ggatctcaag   60

cttaattgac gggcactagc ggacaagaga atattcatca acccattcgg ctacaatgat   120

agatatgcta agcatattat ataggggggaa aagaattaga atataacacg tcaaatgtct   180

tggttgagga gaaaaaaagt gttaacaccc actgaatggc tcggcagaag aagcaatgaa   240

aagaagaaat gatccagaag gggacaggga agatctagag tataactcta ctttcctctc   300

tccaaataat aaaagatcta aacagacagc aatgcagagc caaacgtgga tgccaacaat   360

ctaatctaat gtttctccat tttccttccc taaatccgct taccctcaat ttttttattct   420

agagtccaga attaatgact ggaaccacgt ccctgacctc aagatgatga tattttggtt   480

acatc   485

<210>   9568
<211>   438
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e07a1

<400>   9568

cttctctgca ccctcgccgt accttctaga accttccctc agatctcaat tccccttccg   60

ctttctcctt tcatggaaat ggcttccact ccccgcaccg tcgaagagat cttcaaggac   120

4351

```
tacaccgccc gcagaaccgc catcgttcgc gctctctctc aagatgtgga tgaattctac    180

ggactctgcg atccagataa ggagaacttg tgcctctatg gacatccgaa tgaaacatgg    240

gaggtgactt tgccggcaga ggaagttcct ccggagcttc cggagcctgc actcggaatc    300

aattttgcta gggatggcat gaaccgcagg gactggcttt ctctggttgc tgtgcacagt    360

gattcgtggt tgctctctgt ggccttctat cttgaggctc gtcttaaccg caacgaaaga    420

gacgtttatt tagcttga                                                  438
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<210>      9569
<211>      482
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103e07d1

<400>      9569

caagcaaaat atagattaat agacaaaaat aaaatgtatg gaattctatt ctataaaatt    60

atataacata cactgatgat taatcttggt agaagaaatt aacttaatct gaaagattat    120

gatcagacat agatactata ccgtttacaa gaacttctat aaaagataca acaatattac    180

agtatctttg tcggccatga aacagcatta ttcacttcac attttgcctt cggcttaggg    240

cctgcctcgc ctcaagctgc atgatggaca tttgtattgc tttatgctct cagcttttgc    300

aggagtgatc ttcacacatt tcccatggaa ccacctctca catatatcgc agccaatcca    360

aaattcatct gcattgtaat ttccgccaca gctcccacaa agggtttcac tgtgctcatc    420

atcctcgtct tcataaccat catctgcaaa ctttgggttg ctcttaactt gcccatcact    480

tg                                                                  482
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<210>      9570
<211>      525
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103e08a1

<400>      9570

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ctaaaacagc ttttaattcc ttcatttcac actttcgtgc actttctccc ccctattttg    120
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4352

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ttaccctctt gagtttcttc ctcattcact gaactttta tgaatatttt tgcatttta    180

tcgtattatg tttgccaagt tttttgtttt gttttgtttt aacgtgtttg tgagttttct    240

aacatttttc ccttccttaa tggtgtttta ttttgtctgc agaacaagat gcagggtatc    300

aggcgcatgg atgctgccct ggacgcaatg cgtccacttg gatttaggac acaactgatt    360

ctacgaacgg ttaatgagct tctcgatgtt ggttaagtct tttcttaatt cattgtgatt    420

ttaagttaat ttctgttggt agggattgag ggaccaaaaa gcctaggttt gcatactcta    480

tatgattgtc gtgcatgcac tatntatgat gcaatgttct atgga                    525
```

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<210>       9571
<211>       560
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220103e08d1

<400>       9571

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ttgtgcatgc acagcttta acatcatgtg gttacattta aatctccagc tatggacaat    120

gaaattgtga attgtattga tgtggaatct gcaaaccaat gtatccaaac tccatgtgat    180

tgccagcaca aatatatttt tttgtttaaa gtgattgctg ttcttggcat gccaagaacc    240

attgctgcat gtccttcccc gttggtgcag ccgyatatta tgagagtgaa ttatttcttg    300

tcggaattct tatagaagca aagctttgag tgaaaattgt tgaacatcaa tcagaccacc    360

ctccattagt cctgcaggta caggtgatcc ctggaaactt gtcactgaac tttttcctga    420

tgacatgcct gttaagagaa cacantataa attaagacca catggagtgc attgntctca    480

tgaatttgaa tccctcctta catagtagng caactctacc aaaaacattn gatgatgaaa    540

taccataaaa cacaatcatg                                                  560
```

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<210>       9572
<211>       489
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220103e09a1
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4353

<400> 9572

ttttaacaga tgatacagca atgctttggg gagttaagtt ctacaatgat tttctcatgc   60

aagctggccc tcttggtaat gtacaatcag aactactatt cagaaaggat aaatcaactt   120

tcacttttga caagggttgg gccttccctc ggagagtcta tttcaatggc gacgtttgtg   180

tgatgccgcc acccgattct tatccatggt tacctaatgc tggttccaag caagaggttt   240

ccctgcttgc tttggtgatg tcctctttgg tagccttggt attatatgca tatgcttaaa   300

gtttctaata atgccacact catcaaaagt cttcagtgtg acaagttttg actcaatttt   360

gggacaccaa tttggaattt gaaccaagcc agggtaggat atccagtgac aattcaagag   420

tagctcagtt ctcctatgat tntgtttttc taattttcag catacgagga aattgaatct   480

gctaatata   489

<210>   9573
<211>   357
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e09d1

<400>   9573

aaactctgtt tatttatgac aaatacatgt tcgataaaac aaaccaaata ccaagcccaa   60

gacctacaca aatggcgaac gaaccagatg cctcctctgc caggaacaca aaagccagaa   120

gacggacttg ggtgacacaa aaagccacaa gctagagata cgggagggaa aaccacagga   180

agtcaaggcc ccccaaccaa aaggatagag caagggagca ggcctggaag ccggaccata   240

gcggatcccg aagggcccaa aatgggccac aaccagcagc agattgaaaa cctgataaag   300

aaagggtcca aaccggggga aggggtgtaa tggtcaagca ccggaaaccc aggaggg   357

<210>   9574
<211>   407
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e10a1

<400>   9574

gtcggagtct tattgggact cgattgcaga agagattaac gagaggcttc aggaatgtag   60

tcagattgct ctgaccgaac tcgccgcgca attgaacgta ggtttggact tggtttcctc   120

cgtgttggag ccgcgccttg aacaattgt gaaaggaagg cttgaaggtg acagttgta   180

tactcctgcc tatgtggctc gtgttggtgc catggttcgt ggtgctgtgc gggcatcacc   240

gttcccacga atttgactgt ggtatggagc tcattgcagc agttgctgca agaaattgat   300

ggaaccagtg gtttggctgt tgaaggatct ttcttccagt ctttgtttaa tggacttgtg   360

aaggaaggca aggttctagg gtcgcttcgt gcaggagtac actggac   407

<210>   9575
<211>   518
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e10d1

<400>   9575

acatgctagc accaaacttt gatgcaaagc cattggccat ggctttaatt gctgtaaaag   60

ttatgttgta cagagcaaag gttgagaacg atgtatatag gacgacatta cttttaaatt   120

gctagactcg ttattgacat ttttcctgcc cttttgctgt catcaacatc atgatgattg   180

tagtgtgaat tagagtaaaa tgaatagcga caaaatctaa tctaacttcc cagcattgtc   240

tactttagca aaatgcaacg tatgatagct ttgttgcacc taagaaaata gacaacacaa   300

aattaatgca tccttacgat gaagcttgat tcagcagtca atttggcttt acaaattttt   360

acgaagattg ggaggtgctc aaaaccaagc ttttgaggtc cagcatttgg ctctctagaa   420

gctcctttct actcaaaatc ctatcagatg cacaatcctc ttcatcaccg ggtgaagctg   480

ctaataatgt caaaagagtc actgtggcag tttgataa   518

<210>   9576
<211>   383
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e11a1

<400>   9576

gagcatgctt tgaagcaaac aatttctcat acagagctgt ggaaatcatt atcatgatct   60

gaggagtttg agcaaaaata tttagagcta actaaaggtg ccgctgacaa ttatcatggt   120

tcctggcgga aaagacatgg tgtcgctctt gatggtgaga tagcagctgt ggcttttttag 180

catggacatt ttgatcaagc tgcaaagtca tatgagaagg tttgtgcact gtctgctggt 240

gaaggatggc aggatttgtt ggctgaggtc cttcccaatt tagctgagtg tcagaagagt 300

cttaatgatc aagctggcta cttattatct cgtgcgaggt actttctct tgatgaagga 360

ttattgttga ccaaggagcg tca 383

<210>   9577
<211>   385
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e11d1

<400>   9577

gatagcaaaa tgatgatatt gtatatggtg gttcctagca acttttgtta ttttatgaca 60

caaacgaacg ctagggtccg ggtatctgtc tatcgtacaa tgaatagcac aacattccca 120

ctgtacattc gccaggggt ggtgatattg attctccgaa cactggatga aggttacaaa 180

gaactcatat ccttcttcag ttagtttca cgcaatggga tgctcctgca caaagggaca 240

atttacttct tataccaaaa aacttgttac gcatgcatat ggaacacaat cttagttacc 300

ctttggggat gacacagtga ccactttta attaactgtc atgcttacgg tggagctgtc 360

aggggggtggc catacacaaa ccaat 385

<210>   9578
<211>   580
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e12a1

<400>   9578

gccccacata ccatttgtta ttcatataaa aactcgtttt ccttctccat ttctcgtcgc 60

accttttcct cttctctctc tttctctctt tctagttcgt gttcttcgtc gcaaatccga 120

agtaggatct ctcttgtttt ttctctaggt ttttcgcgat ggcgtcgaag cgaattttga 180

aggagcttaa ggatttgcag aaggatcctc caacatcttg cagtgccggt cctgttcatg 240

aagatatgtt tcattggcaa gctacaatta tgggtcctcc agacagtccc tatgctggag 300

4356

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gtgttttcct agtgactatt catttccctc cagattatcc ctttaagcca cccaaggttg    360

cattcaggaa atagggtgtt ccacccaaat ataaatagca atggaagcat ttgccttgat    420

atattgaagg agcagtggag ccctgctcta accatttcca ggtggtgctc tcaatttggt    480

ccctgttgac gggacccaat cctgatgatc ctttgggtcc ccgaattgca cacatgttca    540

agacagacag ggaccaaagt cgagtcaact gcaagaagct                          580
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<210>   9579
<211>   262
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103e12d1

<400>   9579

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aacagagcaa accaatcatt ctttaaatat tcgacaatac tggcaataca agggtaaaat     60

tttaaacttt ttaattgggc ttacatttca ctgttttaaa agtagcgttt gcattctgca    120

atacagacca ccgaagaaat ttttccccat tcatcttcaa ctggggggggc cttaatcgaa    180

gaccacaaat tttcatacaa ggctgtttgg cctaaacact gaaagtaaaa accgctcttt    240

tctttatgtc aattagccca tg                                            262
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<210>   9580
<211>   497
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103f01a1

<400>   9580

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ccattatact agtaagcatg gtgttagtgc aatcaggagg ctgacgaaaa ctgaggataa     60

tagaattgac caggctagcg gtgctgacat tgtgaacaga ccagatgaat tgcaggagtc    120

tgatgttggt actgggtgct ggtgcatcag cggttacgac aattgcagat gagtactctg    180

catatattgc tgatcgctaa gaacccaatg cttgtactgt tctacttacg tgtgctagta    240

cggatctatt aaatgaagtt gacagagacc tacacgatgc catgtctgat gcaaggaaca    300

ttgtaaaaca tcctaaactt gttcatggag gcggtgctac agaggtgacg gagtcngttg    360
```
```
                                    4357
```

acttgcctca aagtagtcga tatagtgagg gcatagagaa ctaggcttat gaagctgatg 420

ccgtagattt tgaagccata gcgcgaactt tggctcacaa ctgtcgagta catgtcatcc 480

ggactatgac tgctcta 497

<210>   9581
<211>   399
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103f01d1

<400>   9581

agggcgacct ttagtgattg tgctttagaa tgttgatgaa tttctgtttg tgtgcagggg 60

tgggtgttgc tctttttctt ctggcggagg tggggcccat ggctgaggct gtgacatgca 120

ccccaacaga gttgagttcg ggtcttccag caatcacttc cggtgctaaa ccttccaatg 180

cttggtgcac gaagctgaag cagcaaaaac catgcttatg tggctacctc aaaaacgcta 240

gcttgaagca ggatgttaac tctcctaatg cccgaaaaac cggtgcttct tgtgggattc 300

cctttccaac ttgttaatta attaagcctt cttataatta aagtgtggga tatttatata 360

tttattgata aaccggttaa tttatacaca cttttgatc 399

<210>   9582
<211>   521
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103f02a1

<400>   9582

atggcttctt ctacatcaca tccatccttt tggtccctcc tgaacctgtc tgcatccatt 60

cccatttctt cttccgtatg catgttccca ccgtctaaaa aacctagcaa agcaacaaaa 120

cggcgtcatg cttggngaag tagcatgcaa tggtaaccct agaaatagga gggacattct 180

gatcggcctt ggaggactct atggtgctac aacaagtctc acaagtaaca acactggttc 240

tgcatttggt gcttcattgt cgcctccaga tccaactaac tgcgttcaac cggacccaga 300

aaaagaccct ttttgcccac cacccccctt caaagactac gagctccctc cacacgatga 360

caagacatta ccccttcgaa ttagaccagc tgctcatttg gtcactgatg attacatagc 420

4358

```
caagtacgag gaagccgtga ggcgcatgca agaccttcac ctgatgatcc tcgcagtttc   480

atgcaacagg ccaatgtcca ccgtgcctac tgcgatggtc g                        521
```

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<210>      9583
<211>      309
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220103f02d1

<400>      9583
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aacaaacatt tattataaca atatcatagt atccctcaaa gatgaaaggg atctattaag    60

ttccaaggca aataactacc acacactaat taagaaacaa caaatgaccc atagagtgtc   120

cccggagaaa caaaccctag cagtagcaca cacataattt agatttattc atcgtctacc   180

tcaggataaa cacgctttat tcttacgacc ttaattgtaa caggcttgtc tccatatatg   240

ggagccagtg tgacagaaat accatcatcg cctttgtta ctcccaagtc tttcaactga    300

tacgttaat                                                          309
```

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<210>      9584
<211>      197
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220103f03a1

<400>      9584
```

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gatgcggctc ggacgctagc gaacacatta attccagtgg tcgcacgagc tcactacgtc    60

ggctggcgac ctggctcgag gtgctttgca atttttcaaa ttttgaatgc tgacggcaca   120

tgttctgggg atagagtggg cacacaggca ggtgccacca ctacatcatg atttaattct   180

acagccggtg attacga                                                  197
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```
<210>      9585
<211>      332
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220103f03d1

<400>      9585
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4359

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ggggaccgta gctccaggtt cttttttttgg ttctcccatc gcactgtcaa tgcgagggca    60

gatcgatcca tggaggaaac ccaaaaaatt gggcggcaca tggatgttct cagagtatat   120

gctggcctat ggcagagacc tgcttgcaat gcatgctgga actgttgaac cgtgggcacg   180

agccctaggt gtggataatt agaccgcgac tggaggatcc ctgtgggcag ccctgtgtct   240

actaaagcga cgaggatcat acggtaatgg cttgccgttc cgctatcgac ttgccatacc   300

taaaggccgg agacggttgg acgggaatcc ct                                 332
```

<210>   9586
<211>   565
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103f04a1

<400>   9586

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cagagagtag aaaagatggc gcggttgatc acagtggtgt ggtgcgcggt ggcggtgcta    60

ctgtgcgccg cggcgggcgc gtcgtgggtg gaggaggcgg cgaacccgat acgaatggtg   120

gcggnggtgg aggcggaggt ggttcgggtg atagggcagt gccggcgcgc gctgaagttt   180

gctaggttca tgagcaggtt cgggaagagt taccgaagcg aggaagagat gagggagagg   240

tacgagatat tctcgcaaaa cctcaggttc atccgctccc acaacaagaa ccgcttgccc   300

tacactctct ctgttaatca ttttgctgat tggacttggg aggagttcaa aagacacaga   360

ctaggcgctg cccaaaattg ctctgccact cttaacggca accacaagct cactgatgct   420

gntcttcctc ccacgaaaga ctggaggaaa gaaggaatag tgagtgatgt aaagatcaa    480

ggcagctgcg gatcatgctg gacattcagc acaactggng ctttagaagc agcctatgca   540

caagcatttn gggaagagta tctct                                         565
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<210>   9587
<211>   595
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103f04d1

<400>   9587

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aactatgaac tatcaatata tgatcgttat ttatgtctgt gatacacaca attcaggcca    60

tgatattctt acgtgattta cagcaacttc taacttattt aatacatcat accaacccaa   120

ctaggagcaa ttttcattat acaatgacac ttatctttaa actctgaagc atgacaaggt   180

ggtagtcacc agggaccata ttcttatgca atttatgcca caactggata agacgcacaa   240

gttgcaacac cacacatgtt cttccccaat tccattttga agtagccatt ctcaccccaa   300

ctttctcccc atgaattttt ttatgagcca atatgggacg ccattttcaa ctccataccc   360

cacagcaagg acggcatggt tcacatcctg ngaagtgcta ccgcaaatgt cactagtgta   420

aactccattc tcgtagaaat ggaacccatt caccacctga aaggccacac taaccggccg   480

aacaaatgca actgcatgtt ttaattcatt ctcagcaccc aaggtgatat tgaccgagtc   540

aatgacttga aacgggcaca ttttcagctg agaatttgca tacaccatct ttttc        595
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<210> 9588
<211> 612
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103f05a1

<400>   9588

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gtacaatttg gctaattgcc aaggcatatg ttgttgtcaa tgactcctgc tatcatcaac    60

tcatgagcca ctggttaaat actcatgctg tgattgaacc atttgtcata gcaacaaaca   120

ggcatcttaa tgtgctccac cctatttata aacttttgtt gcctcactat cgtgacacca   180

tgaacatcaa tggactcgca agacaatcac tcatcaatgc aggtggcatt attgagcaat   240

catttctgcc tgggccattt gctgtggaga tgtcttcggc agtttacaag gggctgggtt   300

ttcactgatc aagcccttcc tgcggatctt atcaagagag gaatggcagt ggaagatcca   360

tcctctccct atggccttcg ccttgtgata gatgactacc cttatgctgn tgatggacta   420

gagatatgga gtgctatcca gacatgggtt aaggactacg tctccttgta ctatgccacg   480

gatgatgcag ttaagaaaga ctcagaactc caagcttggt ggaaggagct gttgagaagg   540

gcacggtgac ttgaagacaa acatggggcc taagtgacac tcttaagact gatcacattg   600

ctgcatatat at                                                        612
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4361

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<210>      9589
<211>      366
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220103f05d1

<400>      9589

acatacgggt atcaaatcca agttggggac atagagaaat ttgatttgac attcatagat      60

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actatacata aaaactgaca caacacccta ttagatatga aaaactagat agcatccaat     180

tacaaaactt aagcatacat aagaaaatta tgcacacata agtttgcacg tttatttgtc     240

aatgagaggt acgttggaag gaaagaaaac cacacaccac acaccacaca cttttattag     300

atagagatgc tgttgggaat tcctctgaaa gtaaggcctt ccccactggt aggaagaagc     360

acagtg                                                                366


<210>      9590
<211>      531
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220103f06a1

<400>      9590

ctttctctaa tccaaatatc tctccgttaa tgctctcacc acaaacttca atagactagc      60

caaaagctaa caccaactat aggccaaatc accaataaat attatttccc gttcttttgg     120

cgtgttggcc acccactgaa cacatttgca ctcacacata gaagcagaga gaggccattg     180

gttggtttca gagatgggaa gcatgcacat agaaacccca gaaacttttg ctgatggtag     240

caaaaacttc gatgatgatg gacgagctaa aagaactggg acttggatta ctgcaagtgc     300

tcatatcata acggctgtga ttggttctgg agtgctatct cttgcatggg caattgcaca     360

gatgggttgg gtagctggtc ctgcagtgct ctttgtcttc tctttgataa catacttcac     420

ctncactctt ctcgctgact ggtaccgttc acctgaccct gtacatggca agcgaaacta     480

cacatattct gaggttgtca aagccaacct atgaggaaga aaatttcagc t               531
```

4362

<210> 9591
<211> 490
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220103f06d1

<400> 9591

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attccatcct cttccatcaa tctaaacata acctaacaaa aaagaaaaaa aaacagctac    60

caagaagaaa accatgtaac atagcaaact aaacatttta ttatattact ttagtataac   120

aagttgtctc gatttcgaga attgaaaata taacaactat ttcaaaacat agtaatacaa   180

attttgtcgc cctcaataga aactcttggc tcaagttgga atactaagta tgaaagttct   240

attgttctgc ttggaagggc ttgtatttct tgatactaac cgaaaggcct tggatggaac   300

ccacaagtga gataatagaa atgatcaagc aaacccaact caatatcttg agccaagtcc   360

aggtgaagga aaatctttgc atatttgact tcttaatgta catctctata gggaagtaaa   420

ccgtcaatgg ccagaaagag agtgcaccaa taagggccaa aaagtcattg aagaatggga   480

gtaacatagc                                                         490
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<210> 9592
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220103f07a1

<400> 9592

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ctcatgagct tccagaccaa agaccaacca tggtggatgt gattcaggag ctgagtgtgt    60

catctgctca tatataatca tctactactt tctattggta ttaggagacg cttaaacatt   120

tcctttagct gggtttcata catgttatta tttccatgag catatactta gctaaaaaaa   180

actagccatt gcccaataat tgtggatcta aacggactcg tgtcctgttt ttacgaacaa   240

ctgggatagt tgaaggatgt tctttattcg gcttattgta aaataaaggg cttcctgagg   300

taatgatctc agcacaactc tcgtggttta ttggtgttca gcttggaaca ctttctttct   360

ggtactgcaa gaaacttagn ttacaggg                                •    388
```

<210> 9593

<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103f07d1

<400>   9593

cactgtaaac taagtttctt gcagtaccaa gaagaaagtg tttcaagctg aacaacaata   60

aaccacgaga gttgtgctga gatcattacc tcaggaagcc ctttatttta caataaaccg   120

aataaagaac atccttcaac tatcccagtt gttcgtaaaa acaggacacg agtccgttta   180

gatccacaat tattgggcaa tggctagttt tttttagcta agtatatgct catggaaata   240

ataacatgta tgaaacccag ctaaaggaaa tgtttaagcg tctcctaata ccaatagaaa   300

gtagtagatg attatatatg agcagatgac acactcagct cctgaatcac atccaccatg   360

gttggtcttt ggtctggaag ctcatgag   388

<210>   9594
<211>   489
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103f08a1

<400>   9594

ggcagcatca acacatgatc aagatgtctt cagtttctat ccagatgaac gattttgcaa   60

tggatttgaa gaagtgttga gtcagtatag ggaaattgtt cctaatattc gacttgcagg   120

tcctacttca tttgcaccaa ttgttgaaat ggccatgaca atagttgagc agagtggagg   180

ccagtaccat gttttggtga tagttgcaga cggccaggta acaagaagca ttgacactga   240

gcgtgggagg ctaagtccac aggagcagag gactgtggat gccattgttg aggccagtaa   300

atttcctctt tcaatcatat tggtctggtg ttggggatgg tccttgggac atgatgaagg   360

agtttgatga caatattcca gctcgggcct ttgataattt tcagtttgtg aatttcacgg   420

aaattatgtc aaagaatatt cctccttctc gaaaagaagc agcatttgca cttgcagcac   480

tgatggaaa   489

<210>   9595
<211>   355
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103f08d1

<400>   9595

cccccccaacc cccacccaaa aaaacccaaa aatttttaagg ggggggggatt ttttttttttc   60

ccccttttttt attaaaaaaa aaaaaacctg ttctaacttt ttttcccccc cgggaaaata   120

aaatttaaaa aaaaccaaag attttttcccc cccccccaaa atttttatttt cccacggggg   180

gggcccccca aaaaaagcta aatttggggg ttaagggggc tttcaaaaag gggcccccag   240

ggaaaatttt gccccaatta aaaaaaggtg ggtggccccc ccccaagggc ccttttttttt   300

aaatgggcaa aacatttggg gcaaaacttt ttttttatttg ggaaacctgg ggcag   355

<210>   9596
<211>   548
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103f09a1

<400>   9596

ttgttctaca atgaaaagcc tctgccttgg gccgtttctt gctgctagtg ccccagttgg   60

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ctcacgttgt gttgctttct cttcattcat atgttctgca actatatcag tgatgccaga   180

attagaagag aagcaagtgt ttgatggaga gaaggctaat ttgctagtta aagatctcag   240

aaagagcttt gattcaggca tgactaagag ctatggatgg agggtttccc agttggaagc   300

catagctaag atgttagaag agaaagagaa ggaaattact gaagctctat ataaggacct   360

tggaaaacct cgacttgaag catttataac cgagatttcc caggctaaat cctcatgtag   420

tgaagcactt aaagagctga agaatggat gaagcctgag aaggtgaata ctttcatcac   480

aacatatcca tcatcagcag agattgtgcc agaaccaccg gggggttgtg tggtcatctc   540

aacatgga   548

<210>   9597
<211>   443
<212>   DNA
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<223>　　　Clone ID: jC-gmfl02220103f09d1

<400>　　　9597

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gggaccttat catccttaag accaccccaa aagagaaaga ataatttgaa caatattgcc　 180

actaataagg gccttcaata attttttcctt ctgaggtgta tacggagggt acctaatggt　 240

agaatctgca tcaaaacttc tatagagaac tgacttcctg tggctgaaac tatcaaaaga　 300

gaattttcca tggtaacaac ccattccact ctcttcaact gctccaaaag gcaacccacg　 360

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<210>　　　9598
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<213>　　　Glycine max

<223>　　　unsure at all n locations
<223>　　　Clone ID: jC-gmfl02220103f10a1

<400>　　　9598

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acacactggc actgaaatat tcaaggaatg cgtgaggggg gctctgaaag gcaagaccgt　 180

tattcttgtt acacaccaag tagacttcct acataatgtg gatcttatag tggtgatgag　 240

ggacggaatg atagtccaat cggggaagta cgatgatcta cttgcgtctg gaatggatnt　 300

tagtgctctt gttgcagcac atgacacctc tatggaacta gtggagcagg gtgcagtcat　 360

gactgggggaa aatttgaaca agccatttga atca　　　　　　　　　　　　　　 394

<210>　　　9599
<211>　　 451
<212>　　　DNA
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<223>　　　Clone ID: jC-gmfl02220103f10d1

<400>　　　9599

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aactgtgtaa ttgtccactg ggcactgggt tatataaatt aggacctaaa aaaggctata 120

tttggtttgt atactaaagc tacttaagcc agaggtaatt aaaaaaacct tcacaaggt 180

tggctcattc ttcacttgtc caaacagaat ttatgcggga tggtaattgc acctctttaa 240

agaaaaaggc ctttctcctt tctcggggca ctggaagat caatcaaaac ttaaaaggct 300

tagcctaagt tgggttttct gttattgtct gaagggctga agagacaca tgcatggaac 360

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gcctttggag caaggtggct ggtgaataaa a 451

<210>   9600
<211>   460
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220103f11a1

<400>   9600

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tttcaccctg cccttttccct acaaacctct tccaactttc ccaggctttt tggaaagcct 180

aagtttttct ctgttcatgc aagggctgcc acagaaaaaa ccatttatga ttttactgtc 240

aaggatattg acagaaagga tgtttctctt agcaagttta aggggaaggt tctattgatt 300

gtcaatgttg cttcacgatg tggtttgaca tcatcaaatt actcggagct gtcacgcttg 360

tatgaaaaat ataagaatca aggtttggag attntagctn tcccctgcaa tcaatttggt 420

atgcaggaac ctggatcana tgaagatatt aaagcatttg 460

<210>   9601
<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103f11d1

<400>   9601

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aaaaaagaaa gagagaaaca tatactatat tcaatcattt tggggtaata cagtataatt   120

ttcttcccta aactgataat ttctttagta aagacaccaa agtaaattgc atagctatac   180

ttattgctca tcttcagttt taacttattg tgcacacatc actcggttcg tgctcttaca   240

tacagctctc gtttgtgttc tgaattacac tcaggcagca agtaacttct ggatatcctt   300

ctcaatttga aaaggagacg ttgttggtgg gtatctttca ataactttac cattttttgtc   360

aaccaagaat ttctcaaaat tccactttat aagatcaccc aaaaagcctc cagcactcga   420

tttcagaaac tggtacactg gagttgtaaa tggtccattg acatcaacct tatcaaaaat   480
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<210>   9602
<211>   459
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103f12a1

<400>   9602

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catcttccta gctcgctccg tttttctctc tctctcgcca aacgcttctt ccactatgcc    60

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gcttctcctc agcggttacc atgtcttcgc cgtcgacaac ttcgacaatt cttccgaaac   180

cgccatcaac agagtcaagg aactcgccgg agaattcgca ataaccttt ccttttccaa   240

gctagacttg cgggacagag ctgccctcga gaaaatattt tcaaccaata agtttgatgc   300

tgtgatacat tttgctgggc taaggcantg ggtagaagcg tggataaacc actgctctac   360

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aagagcttgt gttctcatct tcagcaactg tatatggct                         459
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<210>   9603
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103f12d1

<400>   9603

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gattatcccg gttagtcata ctctataatg ggggtttaa atttacaaaa caggatgcag   120

tcatgttcat gaagaacatg aaagaatccc cattcaatat tctgtgagtt ggaacctaaa   180

gaatcgctaa gtaaactaaa ccactactta tttaccactt tattataatt cataataaac   240

taggaaatga tttaacttcc accttaaaat agctaaagaa aaactttagg gacctattgg   300

gcgacagggt tcaaaatgac cccaaaagag aacatatttc ctatatccga cattcatcga   360

catcaattgg aggaatctgc agatgcacca tagccataag ggttttgct agcccaattc   420

cattgatcgc ggcacatatc atcgatgctt ta   452

    <210>   9604
    <211>   403
    <212>   DNA
    <213>   Glycine max

    <223>   unsure at all n locations
    <223>   Clone ID: jC-gmf102220103g01a1

    <400>   9604

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cttttctcac aaaaccanaa aanattaaaa atttctccga agactgtgta ttatcgttat   180

cgttcactga gttaggtttt gctgttcttc ctagggtttt attgtgtcca ataacaagag   240

gaggggggaag agaaacaaaa caaaaaaaaa aaagaataaa aggcaaaaat tagggatttt   300

tttttgggaa aaaaaaaga gaaatttaag ttatcgttgt tgtagttggt gcttggttga   360

gatggctcaa gttcaagttc cgcctcagaa tgcgatgcca ggt   403

    <210>   9605
    <211>   460
    <212>   DNA
    <213>   Glycine max

    <223>   Clone ID: jC-gmf102220103g01d1

    <400>   9605

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acctgaaaac tgtatcaaag ccagtgcaga aaataacaat ccatcatcac tacgtaaact   120

4369

ccaaaatata aaccttaaga aacaaggttg tcattaagag ataacgaaac aaactcaacc   180

tgaaatctgt atcaaagcca gtgcagaaaa taacaatcca tcatcactaa gtaaactcca   240

aaatataaac cttaagaaac aaggttgtca ttaagagata aggaagccag ctgatcagca   300

gtaccgccag cctgctgctg agcaacattc cttaggacgt ccattgcctc agccaccttt   360

gctttcaggg cttctggcga ctcaagcaaa tgcagaactt cagtctggtc catctcaaga   420

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<210>   9606
<211>   574
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103g02a1

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tttgttccat ggcaaataaa gcttccatct tcggcacacc ctactcgatt cctcagatgg   180

gtttatctct cttcaagctg tattgcagat atttcagaaa cccctggaat tcttaagccc   240

aaggattcat ctgaattcga ccaaaacctc aacttttga aaaataagct tgccccagat   300

aacttaatcc gggttctgga ccgtacaagc gatttgaact cggcagtgag gatattcaaa   360

tgggcttcaa ggcagaagag ttttcaccac acttacaaca cttatttcag gataatcttg   420

aactgggtat ggccgggaaa gttttggcca tgagggattt ctgtgaattc atggctaagg   480

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angattaaag aagctatgga ggctagtgaa tatg   574

<210>   9607
<211>   520
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g02d1

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4370

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tacactatgc ttccaaatca agattgcttc ctaccatcga catttgtgag aggaatgcta   240

acagatcttc tgcccttctt gattttgaca gctcatgcat gatagtcgtg tgtgtagcaa   300

tacagcatga cataccacag aaataagcta attgccatag acattttatc aacttgtaga   360

aggacaagga atgaagagag catctcttca ttgacatata gtgaaacact tcaatggcat   420

cttcagaatg cttgatgtta cagacatata gtgaaacact tcaatggcat cttcagaatg   480

agcatctctt cacaaagcca tctaatgaga atattccaag   520

<210>   9608
<211>   497
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103g03a1

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gaaagatcat atcccagaag aagaagaaga agagtctgaa aacatggaga agaagagatt   120

tggtgtgttg atgtgcgcag aggattcaga gtacgtgaag aaagtgtacg gaggatattc   180

tggagttttc gtgagaatgc tggcggagga gggagagaca tgggacgtgt acaaggtggc   240

gtgtggggat tttcctgatg aagatgactt gggtctctat gatggctttg tgatcactgg   300

gagttgcagt gatgcacatg caacgacac atgggtgaat gatctcctca acttgctccg   360

caaactcgat tccatgaaca agaaaatcct cggaatttgc ttcggccacc agatacttgg   420

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cataacactg tcaccat   497

<210>   9609
<211>   393
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103g03d1

<400>   9609

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gttgtgctga catagaaggc cccataaaca cttaatggct ggcatcctac ctaaggcatg   120

gagtgactat ccgtgcgaag ccgagcatgt atatgccata gcagattaga gccaccacac   180

ctatagctgt tatgattaga tcgaccaccc tgattgatgc gacgactcga taatattatg   240

actgcgtagc acaactatga ctcgtctttc gaaggccatt cgtatgcgac catcgaccct   300

gcgaaaacgt gacacaatgc ttatgccaag actgcgtatg tggctaccac aatgcagccc   360

tgtgccttgc tcgataagcg agagcataca tga   393

<210>   9610
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g04a1

<400>   9610

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cttggggatg tatacatctg ggggggaggtt atctgtgaga atgttgtgca agttggtgct   180

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acaaggcaag gtgaactttt tacatggcgc gaagaatctg gaggacgcct tggccatggt   360

gttgctaaga atgtggatca acctcgtcta gttgaagcaa tggcttctac aactgctgat   420

tcttgcgcct gtggggagtt ccatacctgc gctgactcaa tggctgctga actatataca   480

tggggcgatg gtactcataa tgccgggcgt tttggtcatg gcactgatg   529

<210>   9611
<211>   392
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g04d1

<400>   9611

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accctcccag attaaatggc aaacatttaa ctttaaagga agacattaca aaggggaggg    120

tacaaaaaga ttgggaagac aatgaaaccc aaaaagggg cctgggtcct taataatgac    180

tgttgatttt ccacaaagct tactgtaaca aaaagtgtgt taacggaaaa atttcctcca    240

tttacttccc taagaatata aaacagggaa accaacaccc tttgccctat gtgccgtttg    300

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tttggttgga gctctccaaa atttcaccgg ct                                  392
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<210>   9612
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g05a1

<400>   9612

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gctccggctc aagccggaga aactccagtc cacccggcat gtgctgagtg agtacggaaa    180

catgtcaagc gcgtgtgttt tgttcattct ggatgaaatg aggaagaagt ctaaggagga    240

agggaagagt accactggag aagggttaga gtcgggggtg ctattcggat tcgggccggg    300

tctaaccgtt gagaccgttg ttcttcacag tgttcccttg gagggataaa tcatgctgat    360

gcggtgacta gtgattaaga gtgatcaata aggaaccctc ggaaatacca gggaacgttt    420

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taatatgaac aagatcgtgt gttt                                           504
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<210>   9613
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g05d1

<400>   9613

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taaatccaca agtgaaacta gtaataataa caaactttcc ctggtatttc cgagggttcc    120
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ttattgatca ctcttaaatc actagtcacc gcatcagcat gatttatccc tccaagggaa   180

cactgtgaag aacaacggtc tcaacggtta gacccggccc gaatccgaat agcacccccc   240

actctaaccc ttctccagtg gtactcttcc cttcctcctt agacttcttc ctcatttcat   300

ccagaatgaa caaaacacac gcgcttgaca tgtttccgta ctcactcagc acatgccggg   360

tggactggag tttctccggc ttgagccgga gcttctcctc gacttgatcg aggatcgcgg   420

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<210>   9614
<211>   337
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103g06a1

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tggctaaaga tgttgaggtt caagagcaag gaggagagta ctctgccaaa gactaccatg   120

acccttctnc agcacctttg ttcgacccag aggagctcac acagtggtcc ttctatagag   180

ccctcatcgc tgagttcata gcaacccttc tcttccttta tgtcactgtg ctcaccatta   240

ttggctacaa aaggcagact gatacaacgg taggtggcac cgactgtgat ggggttggca   300

ttttgggcat cgcttgggct ttggtggcat gatcttc   337

<210>   9615
<211>   542
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g06d1

<400>   9615

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catagatgat gattaataaa gctttaataa acaagagaag atgagtactt aattatgaag   120

agtaaaatga gaaatgacta aggatgcaca agacagaaaa ggaacactca aggaatacat   180

acatggaaat taaaaaaaag aaaaagaaaa agaaaagaca caaagggat acaaaataca   240

4374

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ccccttggaca caagcatgct tatctacaat ttgatgcatg cccccatggt tttggccttc    300

tcttccaaac accccccaaca actgtagctg atgagaggaa aagacgaaaa agcctaaatt    360

agggaactgc atagacagat cactagcact cctcaacata gaaattatta ttcttcgggg    420

gaaacaccat gcatagccct tgttggcaaa ttaatcaagg tagctagctt aattgattaa    480

ttaattaaag cgtgctcctg aggatccaaa gagcctgata gctgctgctc taaggatgta    540

tt                                                                    542


<210>        9616
<211>        491
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220103g07a1

<400>        9616

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tctgcatgtg ctagaatagg agctttgaca tgtggaaaag agatccatgc ccatgcattg    240

agaactggag taagctttga tggttttatg cccaatgcaa ttttagatat gtatgtaagg    300

tgtggaagaa tggaatatgc ttggaaacaa ttttctcag ttgatcatga agttacctca    360

tggaacattt tgctaacagg atatgcagaa cgtgggaaag gagcacactg ctactgagct    420

tttcagagaa tggtagagtc aaacgttagt cctatggaag tacatttatc tncatattat    480

gtgcttgcag c                                                          491


<210>        9617
<211>        487
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220103g07d1

<400>        9617

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attctatttg tatcactttg ttggattgta ggttacaatg aaatcttgga ccacaggagc    120
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4375

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agacatgtcc tgattttttt cccctttttt ggaagggagg tgggggtgaa catgttgaaa    180

aaatatatat acttacgtaa aaaaactata tacctaccta tgtctatgta caacagacat    240

aacattattt ttccccgctc tctgtatagc atgctatata tagggttgat tgatgattca    300

aaggcccgtt gatcattgac gtgcaagatc ttaaagttgc aacattttcc gactctgact    360

tttcaatgcg atgctacata tctcacagtt ttcctgctaa tcaggctagc tcctataagc    420

ttcatccgtg caagagcaga tgcctccctt gaaatggtga aattgttcag catcccttac    480

agaaatc                                                              487
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<210>   9618
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103g08a1

<400>   9618

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aacacactct gtgaaaaagg gggagtttct tattccttct agacgcttcc attgatcggc     60

gatttctgat acatggcgga gcatcacgaa cacgaggaag tgaagggtga gtccttgttg    120

gagaagattt ctgggaagat ccacgaccac gattcctcgt cttcgtcgga ttccgacaac    180

gacaaaacca gcgccactga ttccttcaag tctaatgttt tcaggctttt cggcagagaa    240

aagcccattc atcatgttct tggcggtgga aaaccggctg atgtttttct atggagaaac    300

aagaagatat ccgcatcgac actcggagtt gcgaccgcta tatgggttct gtttgaattg    360

cttgagtacc acctcctgac tttggtttgc cacttcctga tccttgctct ggcggnggtg    420

gtcttgtggt ccaatgcatc cactttcatc aacaagagtc acaaagatcc cacagtgcac    480

a                                                                    481
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<210>   9619
<211>   464
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g08d1

<400>   9619
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taagatactt ttcttccaca gtgtctctag taaaaggacc ctaaaaaaat aaaatatgac   180

atcatagggt tcctgaaacc ccactacaac atatttgtca gaatctagtg cccacttcaa   240

tctttctttt tatctttcag aggtcctctg ggtatcttgc tcaatacctt cgcatcaaac   300

actgcatatt gcttcttaat ctcggcaatt gctttctcac caaaagagtc gacatgatct   360

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<210>    9620
<211>    502
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220103g09a1

<400>    9620

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ctcttccttt ctcgcttctc agatccaact cctcagataa cacaagacca aacccgcttt   120

ttctgcattt ctagactaga cgttctaccg gagaagcgac cttagaaatt cattatggtg   180

gcaacagctg ctacttcatc attttttccct gttacttcac cctcgccgga ctctggtgga   240

gcaggcagca aacttggtgg tgggcctgca aaccttggag gactaaaatc caaatctgcg   300

tcttctggtg gcttgaaggc aaaggcgcaa gccccttcga aaattaatgg aaccacagtt   360

gttacatcta aagaaagctt caagcatgat gatgatctac cttcgcctcc ccccagaact   420

tttatcaacc agttgcctga ttggagcatg gctcttgctg ctatcacaac aattntcttg   480

gccgctgaaa agcagtggat ga                                           502


<210>    9621
<211>    541
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220103g09d1
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4377

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cctagctatt ttgaacaagc aattaaatat tgaagacagc ctagcagtag cgcaatcaga   120

gatgaaatga aatatggagc agcagaaaga gagaatacag cagttgctaa ttacaatgag   180

aatgagattt actgctgctt ttccccctta cccaccaaag tatcacaaat tagaaggtgt   240

atatatataa agacatgtag attgattgga tagacacaag caaaactctc cccagggacc   300

agaataagtc taaacatagc aaggagactg atgcaactcc aatcgttaac catttcaaaa   360

tcttaggtgc tttctgctgg aacctggttc acaacaccaa agttgttcac aggtttgggc   420

ctccactcag tcctgcccct cacaatctca gcaccatttt ccagtcgaag caaatgcttg   480

cactcaacat gcccgctgtg agctagattg cccatgtcgg ncccagatac agcagtcagg   540

g   541

<210>   9622
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103g10a1

<400>   9622

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cttcatccca cccaaatccc taaaaattgt cacatccttc cccttaacct caacaccacc   120

acagactgaa cccttccgaa gctgaaccag aagggcctcc tccactcgac gccgccggag   180

cactggcctt ctcccgttcc tactgaaccc agcaatgaga cccagctgtg cctgagcctg   240

tcccacaaaa acaattacca aaaaactagg ctagagaaaa aaaaaaagat aacttctcaa   300

tctgtttttc taaactgttt ttattttaaa aaatatattt tctcttgaga aacaaatctt   360

attgaataca cttatcttaa aattgatttt tccctctttg ttctcaagat gtcctcaccc   420

gaaaccctta cattcatgga gctcgccata caacaggcaa aagtagcttt ggatg   475

<210>   9623
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<212>   DNA
<213>   Glycine max

4378

<223>   Clone ID: jC-gmfl02220103g10d1

<400>   9623

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ggcattcaat aacagcttca acctgcccaa aatgctacgg tagcacagat cctcaggcca   120

tgactgataa ccatatcagt aactggtttt atacaaatta aacttcatgc ctgacgtgct   180

aaaggcctgt gtggctttgg agcattggga tttccttgct catagaatgt cgaaagaga   240

agaacagctt ttgatgccat tatacatcca gtacatttga aacactttcc gggtgaaact   300

tcattattga gcggggggt gttacttaaa tgcaatgaca gtttcgatcc acagcctcca   360

aatttatcat ttgaacagcc ataaaatact tcctttatac ctaaaattga taaagcagat   420

<210>   9624
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g11a1

<400>   9624

cgtgcctgcc cctatacctc accccactta ctattattat tgtacaacac aaccaggtcc   60

ctgaatgctt tttagagaga gaaagagtaa taataataaa gtggaagaaa aagaattagg   120

agagtgaaac aagaagaaga agaagaagaa gaagaagaag aagaattgag aagatggtgt   180

ttgaggaaac tgagctgagg ctgggactgg gactatgtct ccctggaaat ggaaccacgg   240

caacaactga agctgctgct gcggaattag gagtgaggaa gagagggttc tctgagactg   300

aaactgatga aacagccacc gttgatttga tgcttaacct ctcacccaag gaagctgctg   360

ctgctgatgg tgcagatcca cgtgag   386

<210>   9625
<211>   504
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103g11d1

<400>   9625

gcaacataat ttagagtcat tatcgtttgt gttcataatt tatacttacg acatctcaca   60

4379

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tattttttaa caccctgctc tctccctctg tgtctgctgc agcttaacct tgcttcagtt 180

actaagtcaa ctaggcaccg ctaatgatga tggagcagat tttggactgg taactactag 240

tctagctcct gttcttgcat ttctccacgg ctcttggtgc cagtccaata gcttcctttc 300

ctttcatgat acgtaaacgc ttgcatgatt caacaaacat ctcccatggc acatcaccga 360

caagcatcca gtcgccatcc ctgtcttcat aggtcgggac atagtcggag ctgttcaaaa 420

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ggtgtaagag ctaaacattt tgcc   504

<210>   9626
<211>   469
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g12a1

<400>   9626

gggtttgcaa attatgatgg cgacaagtgg gctaaacaca gaaagatcgt gagtccagca   60

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atcagcaaat gggagagttt gttatcttcg tctaatgggt cttgtgagtt agatgtgtgg 180

ccttttgtcc aaaacgtgtc aagcgacgtt cttgctcgtg caggctttgg aagtagctat 240

caagaaggga aaaaaatatt cgaacttcaa agggaaatga ttcagcttac aatgacgctc 300

tttaagtttg ctttcattcc aggttacagg gtttctgcca acgcatacca acaggaggat 360

gaaagcaatt gacaaagaaa tacgagaatc acttatggta atcatcaacc cgaagattaa 420

aagcatcaaa gcaggggagc ctactaacaa atgacttgta ggcatactc   469

<210>   9627
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103g12d1

<400>   9627

gcaaaagcca aaggtaaac tctatcaatt taaaattcaa acatgataaa gtttatataa   60

4380

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ggaggagtaa ttacaccagt aacttaggca aaacaggtat atattgatct tggaaataga   120

tttgaagtga aggttcagat ctatcgtcta cataagaaac tagcaggaat aggaaaacta   180

aaattgccaa cacgcctcaa atgaagaagc cttatttaga ctaaaaagtg cattctagag   240

tttgcgtaaa atgagatgag ccccacgctc aggctgaaga gtgataatta aggaggggggc   300

atgagcatag gagggggaaa aatggaggga gaaacgtctt aggatcattg acacagatac   360

ttttgctttt aacaagccaa agttttgttc tatgcagagt cgtggacccc atccaaat     418
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<210>   9628
<211>   536
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220103h01a1

<400>   9628

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ctcggactca aacacacagc acgacgaaac ctagcagcct cacgccctca tcgcagcagg    60

gacctagccg tcgccggaga cgcactgagt ctgagagcag cggtgactaa atcaggtttg   120

tcaaagagga aaaggagag ttacgattca ggtttgaagc actaaatcaa tcaaaattgt   180

agcaatgggt gagagcaaga aacgaaagag acacagaaac aaacgtggtg gtaaggagga   240

gcaaccggtt cttccttctc cttgtgctaa gcgcacaaag ctgaaggaac cctcttcctt   300

tcttcaaaag atgcgagcaa ggttgtctgg tgggcatttc aggatgatta atgaaaagct   360

ctacacttgc actggggagg aggcgctaga ttatttcaag gaagaacctt cgctatctga   420

tgtgtatcat acaggataca aaacacaaat gtcaaattgg ccagacagcn cagttatgta   480

attattaagt gggctgaaaa acagagcctt tcttttgtgg ttgccgattt tggtgt       536
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<210>   9629
<211>   405
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h01d1

<400>   9629

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aagggaaggc accctatctg atattcaata aacggtcgta gcaaatttgt aaaccaagca    60
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aactccccat acgcacttaa aatcaaagaa taataatggg gccgagaaac caattactac   120

aataactttg atgatttact aaccatgctg atctaaaaga aaaaaaaaaa gaaaaatgtt   180

taactctcat ccagatgaca ttgaatacac caaaaaagga aaaaattatt ataatctcat   240

ctacgcttgg acaaacaagg tttaagcatt ggccattcaa tttccttccg cttagaaatt   300

tgattctcct tttttgtgaa gaaaaacaaa ataaacattt tatttgagaa ggcctgtttt   360

acagagctga aacctatctc ggaaatagca tttgagaact tttta             405
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<210>   9630
<211>   579
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h02a1

<400>   9630

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caaaaccatg gccagaagag tctctcctac cgttgccggt ctcctctact ttctcttcct   60

gctcaccctc acacgcgccc gcgatgttcc gaaccccttg tccgaaccca aacctgactc   120

cgaacctgga ttccattcat accgaaccta ataccgttcc gcataccatc ggcaccatgg   180

atcccgtacc gctgacgctc ctccgattac gttcgatcaa ccgacacttc cagcccggcc   240

gagcgtagcc tctgtcgctt cgtaccgtcc accgacgttg ccgccacggc caccgacgcg   300

agatccccta cagcaacgac gccatcctgc tcggcgacac agcctgatcg cgccggtata   360

attcgcactg tgttagggtt catgccgacg actagacgcg gattccggcg acagttgagc   420

gactcgattc cgtccgtgaa caccgtcacc gtggcgagaa tgaccaccag cagcagcact   480

accgacatca ccgactaaag gagagctggt tcgcgaagaa gattcgcaag ctcatgaacc   540

tcttctgatg atgctgatgc aacgagtcac gatgatgat              579
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<210>   9631
<211>   298
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h02d1

<400>   9631

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ttttattttt tacttgaatg caaaacagat ctatactaag ctataagaag gcactacaag   60
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tgcctttagc agactaacca gacaattgaa caggatgaat ggacttggac acctccgaat    120

tggagccgcg ccttggaaca attgtgaaag gaaggcttga aagtggacag ctgtatactc    180

ctgcctattg aggccgtgtt ggtgccatgg ctcacggtgc tgagcaggca tcaccggtcc    240

cacgaatttg actgtggtat ggagctcata tgcagcagtt gctgcaagat attgatgg      298
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<210>        9632
<211>        541
<212>        DNA
<213>        Glycine max

<223>        unsure at all n locations
<223>        Clone ID: jC-gmfl02220103h03a1

<400>        9632
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gttgaatggt tcccgtagat gtcgccggcg gtgaccagaa aagtggatct gattattaac     60

tcagaaaaat ggaacatcag aagagcggga gcaagctaac cagaaaccac tcctcgcttc    120

tccgatcctt cgttcacaac ctctcttcca tcatcaccca acacgaacac gaacaacaac    180

tcctcctcga tgttcacgac gatgacgaca agaacaagaa gcccaagaaa ccccacgtcc    240

aggctcaggc ccaagcccac catgcccagg ccctggccca caggtcttcc gcctattccg    300

ccctggcggt cttcttcctc ggcgcgtgct cgctcctgtt ctacttcttc tactggaggt    360

gtcctcctcg gagaatttcc tgctggcgct gatcttcgtg gccgtggcgc tctacttcgt    420

ctccaaaaac aagggcctca tcccagatcg ttctctctgg cgaagcattc gtgggaggag    480

aatgtgaaag cgctagggtt ttccaaggcn gcggcggtgg ccaggcccgt gcagtggttc    540

a                                                                   541
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<210>        9633
<211>        312
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220103h03d1

<400>        9633
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ggagcaaatt catttttcat tgatatacat gggttatata caagttacag ggggggaaa     60

caaacatact cttttttcaa cctccaataa gcttttgctc accagggtga catcttccaa    120

ggactcaaaa ttagtaaaaa aaaaaaaaaa attacaatta caattccaaa caaagctaac    180
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atctaattct tagacatcag ggtcacaaaa ttttccatcc atcctgttct gaacagcttt 240

cacagcagca actctagcag cagtggcagc cttgctcgca gcgattactg ctttgttaac 300

ctggtcatct ac 312

<210>   9634
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h04a1

<400>   9634

ataccctgtc ctgtgccgtg acatctttaa gccaattgca atcaaacaaa gtttcagttt 60

ttggtgttcc attttttcttc ctccatcttt atcttaaaca taacttgaac tctccattcc 120

ttaaatttta gctacgagct agttccgaca cagacaaagc aatggcaaag accgagttag 180

aggtgactgt tgagagcaag aacaaagacc tcaagcacct ggggtttgtg aggattgctg 240

ctattcaaac atttgtgatt gtgtcaaatc tgtatgagta cgcaaagcag aattctgggc 300

ctttgagatc cgtcgtagga acggttgaga acactgtaac caccattctc ggtcctgtct 360

gcaacaaatt caaggacgtc cctgatgatg tccttgtttt tgttgacaaa aggtggatga 420

agcttcccac agttcgatga gcacgctcct cctttttgcta aacacattgc ggatcaagcc 480

agggtgtgat tcagaaagtg acttgtgagg cagggaaagt agcaagtgaa g 531

<210>   9635
<211>   383
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h04d1

<400>   9635

ccccccaaaaa aggcccccgg ccaattttttt ttttttttttg cccaaaaaag ggggggggccc 60

cccttttttgg gctttttttcc cccccccttt ttttttccaaa acccctttttt ttccagggt 120

taaatccccc cgtttgccca agttttttcca aaaaaaaaag ttttttttagc cccccccccc 180

cccccccccc aattgtcccc ccccaaaaaaa aagggggcccc aaaaaccaat ttttttggaaa 240

aagaaagccc cattttttaacc aaaaccaggt gttttttgtcc ttttttccccca aagggggggat 300

4384

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tttttccctt taaaggaacc cccccccggc tggaaggccc gggttttttt ttcaggggga   360

aaaaaggggg gacccccccc aaa                                           383


<210>      9636
<211>      420
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmf102220103h05a1

<400>      9636

ctgtgatgac tcaatcgatg tcgcacaagc ctttggactc gcgccacacc acagactcct    60

gcttgttgca gctccgcacc tggaaaccct tcaagctcca gcaagacggg ccccacccca   120

aaccctacta ccacaaacgc ccctgcctct ccgatcgcac aaccacctcg ttttccctcg   180

acatgtccaa actcaccctc gccgacgacg acaatcacaa tcccaacaac cgcgccacca   240

attaccgcct cgtcgctcgc aagaggcgcc gccgcggctc gcgatccgtg tccggccgca   300

gcagcgaccg gagcgggacg cgccggtgct gctccgtggg ggccttcgnc gcgtacggca   360

cctgctccga attcccggtg gccatgggca ccgactccag cggagagctc ttcggcacgg   420


<210>      9637
<211>      375
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220103h05d1

<400>      9637

ggggggcaat caaaactcaa aaagattaag ggccgggcag tacattttga ttttttaaac    60

cccagccccg cctgcgagat tttgttttaa gatatttttt caaccgtttc ctatgaaatc   120

tgtttgactc aaattgaaaa ggtctccccc tccaaaacaa ataaccaaag cctaatactt   180

gtggggccgg tcttgtacac atattttcct tttcaaaaat cattttcgga agtccccccc   240

ttcacacttg gatcaaaata taccgaagct gattcatccc catcatcatt tttttcatac   300

ccgccaaaat actttggata ttgatttggc aaatgggtca ggcagtccgt ccaattttca   360

agggaagata aaatt                                                    375
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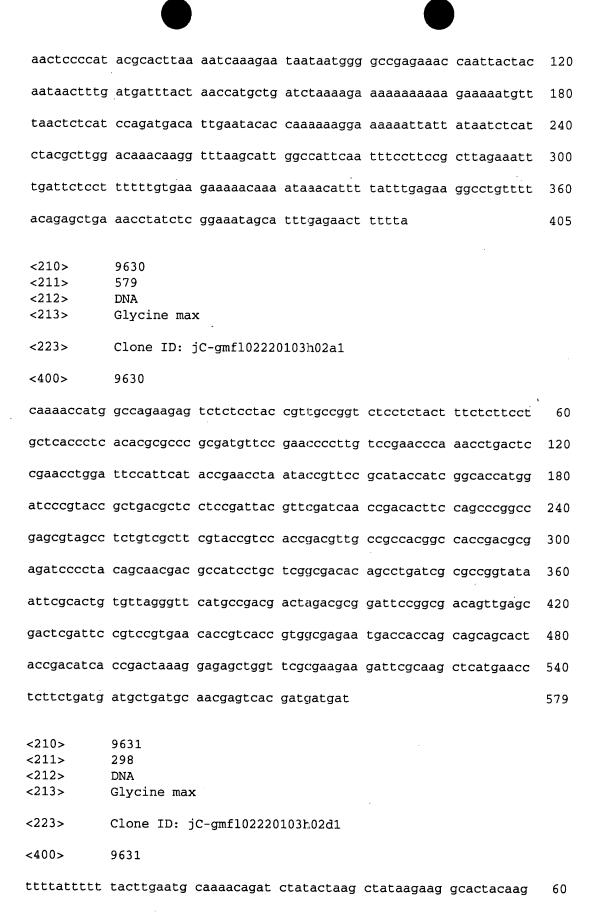
<210>   9638
<211>   542
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h06a1

<400>   9638

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gtgttggttc ttgctctggc tgtggccaca agtgccagaa acgttcccaa ccccaaggat   120

gctggtctta aagaccagaa gaacttcatc agctatggtg gagttggtgg ttattccggg   180

attgggaaca atggactgcc ttttggagga gctggtgccg gaataggtgg tggttttggc   240

ggaggtggtg gacttggtgg tggcctcggc ggtcctaccg gtgggatcgc agggtttggc   300

ggtaccggta gcggtgtcgg tggcggtatt ggtggtggcg ttggaactgg cgttggtggt   360

ggatgcggtg ttcttccttt cccttgaaat gatgaacatg catgcatgca tgcatatatg   420

ctccgtcacg tttctttgga ttacactagt ctttattttt cgttcgggaa ataattgtgg   480

tttgtgcttg tacgtgtcgt taatcgttca agcttctgtc tagtgtttct ctcgcctgtg   540

ga   542

<210>   9639
<211>   420
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h06d1

<400>   9639

agcaaataaa tgggactcat atattgagta cattacttcc atgctaaata tgaaatattc   60

catatgtaaa aaaaccacgt ttatgagtga ctatgggtga cacaaaacct tagcaaatga   120

aagacacaga atgacccatt acaacttttt tttactttcc acaggggaga gaaacacttg   180

aacaaagctt gaacgattaa cgacacgtac aagcacaaac cacaattttt tcccgaacga   240

aaaataaaga cttgtgtaat ccaaagaaac gtgacggagc atatatgcat gcatgcatgc   300

atgttcatca tttcaaggga aaggaagaac accgctgtca ccaccaacgc cagtttcaac   360

gccaccacca ataccggcac cgacaccggt accggtaccg gcaaaccctt cgatcccacc   420

<210>   9640
<211>   415
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h07a1

<400>   9640

catataaaaa tagagggatc tccttctctt atccagagaa gcatatatag agaaagaaag   60

aaggccctgc cctatatagc tgaaggcagt gtgcacaaac tctgagactg catattagag   120

tttgagtctt cactctgaag cctaacttgg gtttgtgtct ctcatagcaa gatgatggaa   180

aacggtggca aacagacatt tgaagtctcc aatgacacgc ttcaacgagt aggttccaag   240

agctttgatg atgatggccg tctcaaaaga actggaacta tttggactgc aagtgcccac   300

ataataacag ctgttattgg ttctggggtg ctatctttgg cttgggctat tgctcaacta   360

ggttggattg ctggtcctgt ggtgatgatt ctattcttat tgggacttat tatac   415

<210>   9641
<211>   397
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h07d1

<400>   9641

ggaaaattgg aaagcctttg gttcatttcc cccatttttt attggaaatt gggggtcccg   60

agcaggttcc aaagttgggg aaccccccc ccccacccaa aaaaaacaaa gatcccgaag   120

atcccggggt tctaagcaat aaacaagtta gaccccttc ctgttgattt aaatttgcaa   180

caatttacct tttttttttt ttttgggc taaagaaaac cctgcccggg ggggccatga   240

cccctaagta attttcccat tgaattagga gcgggaaca aagggggttgg aaactttaaa   300

aacatcaata accccagcaa tggaacccgg tgcggctaat tttgtaatta caaagcttgc   360

cacactaagc atttggtggc ctatccattt tatgccc   397

<210>   9642
<211>   454
<212>   DNA
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<223> Clone ID: jC-gmf102220103h08a1

<400> 9642

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ggtggtgtgg gggtaattga aagtgtgcca caatcagaag ctgcagatca tgacaaggaa 120

gcaatttgca accgtatggt gttagtttgt ggaacttcta catgccatat ggctgtatcg 180

cggagcaaat tgttcattcc tggggtttgg ggtccatttt ggtcagcaat ggtaccagaa 240

tattggctaa cagaaggtgg acagagtgct actggtgcat tattggatca tataattgaa 300

gaccatgctg cttctgcatg ccttgcaaat caagctgctt cccaaaagat ttcattgttt 360

gagcttctga acaagatgtt ggaaacaact gatggttgag ctgaacctat cctttattgc 420

agccttgact aaggtgtaca tgttcttcct gact 454

<210>   9643
<211>   502
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220103h08d1

<400>   9643

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agaacaatga tgctatccaa gtatcaagct ctctatattt ttgtacaata tgtatgctag 120

cagtagcagc tgcctatttg attttgagaa gtgtgcgcaa ggcgttcaag gtagtaaaaa 180

ataagatgcc agtgagcctg tacataaaat ttctataaga attttaacaa cagtattggt 240

gattattttt ccttgtatct ctgaagtctg aactgttcaa tgtctaacct accacccaaa 300

ttgaaaaccg atattcgtca aactggtagt atttgggcca taatttcttt ctccatccca 360

atatctttca tccttgaagc atgaatattc aatcttcgca aggagcacct aattgcaatt 420

gacagtttga gtcaaaacat tctgcaaagc tatgacaagg cttgggccat ggcggaacgg 480

tacgagagct gctgttcata aa 502

<210>   9644
<211>   419
<212>   DNA
<213>   Glycine max

4388

<223>   Clone ID: jC-gmfl02220103h09a1

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agcttcttcc atggctctct catccccatc cttggctggc aaggccgtga agctgggccc   120

atcagcccca gaagtgggaa gggtgagcat gaggaagacc gtcaccaagc aggtctcctc   180

aggaagccca tggtacggcc cagaccgagt caagtacttg ggcccattct ctggcgagcc   240

cccgtcctac ctaaccggtg agttcccagg cgactacggc tgggacactg ctgggctttc   300

cgcagaccca gaaaccttcg ccaagaaccg tgaactcgaa gtgatccact ccaggtgggc   360

catgctcgga gccctggctg cgtcttccgg agttgctgtc ccgcaccggg tggaagttc   419

<210>   9645
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h09d1

<400>   9645

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tttccgggga cgaagttggt ggcataggcc caggcgttgt tgttgacagg gtcagcaagg   180

tgatcggcga ggttctccaa tggacccttt ccggtgacaa tggcctgaac aaagaagcca   240

aacatagaga acatggccaa tcgtccgttc ttgagttcct tcaccttaag ctcagcaaaa   300

gcctctgggt catcagcaag gcccaatggg tcgaagctgc cacctgggta gattgggtca   360

gtgacctcac cgaggggggcc accagcaata cggtaacctt caacggcacc cattaggata   420

acttgtgtgg cccaaatggc gaggatgctc tgggcgtgga tcaggcttgg   470

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h10a1

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gagtgtagtg tagtattgtt ttgtagctaa gcaaaaatga gtttcacctt caccaccatg   120

accttgaact tggtcctctt aatggccatg gtggccacca acatcctctc cctctaccac   180

ctctcctcca ccctccaatc ccccaaatcc cccaaaccac ccccacctgt ccccgaccaa   240

ctcctccacc agctccacac catacgcgcc accatcaacc acctcacgct cctccagaac   300

actaacaacc caactaaaaa atccaccatc ccctcagatc tactcttata ctcccacctc   360

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acacctt                                                             427
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<210>   9647
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h10d1

<400>   9647

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gaaatatcac gagaaggttg gaagccgagg ttagggtttt gtttattcaa gcaatcgaac   120

gatttgcatt ggtaatgatc ccaaattaca gcgttgtcag ggagggagga agggaagggg   180

cttctaaggt cttagttgag gagaaaaaaa gtgttatcac ccactgaatg gctcggctga   240

agaagcaatg gaaagaagat atgatccaca aggggacagg gaagatctag agtataactc   300

tacttttctt tttccaaata ataaaagatc taaacagaca gcactgcata gcccaacgtg   360

tgtgccaaca atctaatcta atggttttgc attttccttt cctaaatccg cttaccctta   420

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atttttg                                                             487
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<210>   9648
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<400>   9648
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acaatgtgtg gcattcttgc tgctcttggt tgttctgatg actctcgagc caaaagggtc   180

cgcgtgcttg agctctctcg cagattgaag caccgtggcc ctgactggag tgggctccat   240

caacatggtg actgcttttt agcacatcaa cggttagcca tagttgatcc tgcttctggg   300

gatcaacctc tctttaacga ggacaaatcc gtcattgtca cggtgaatgg agagatttac   360

aaccatgaag agctcaggaa acagctgcct aatca                              395


        <210>      9649
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        <223>      Clone ID: jC-gmfl02220103h11d1

        <400>      9649

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aatacaatac gctacacttt tagaaagcct tatatctata tctatacact acaaagcttt   120

gccaagataa aagtacactg caggcaaatt tttcatacac gtttagcata gttcattctc   180

ccccaattat tctttgtcac agctttatat tatccctgga ttgcaacacc aagaggagca   240

gcatccatag gtataatctt ctcaatttct acacccttgt tgtggttctg gttttcatag   300

gctgaaatgt gcactccaag tgctgctcta ccagaaggat caaggttgtt agaccaagca   360

gcatcccact caacagcttt ggctgtgcta catgcaacac ttgctcctcc aggaacggtg   420

agcctagctg agt                                                      433


        <210>      9650
        <211>      453
        <212>      DNA
        <213>      Glycine max

        <223>      unsure at all n locations
        <223>      Clone ID: jC-gmfl02220103h12a1

        <400>      9650

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attgtggtca ttggccatgt cgactctggg aaatccacta ccactggtca cctgatttac   120
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aagcttggag gcattgacaa gcgtgttatt gagaggtttg agaaggaagc tgctgagatg   180

aacaagaggt ctttcaagta tgcctgggtg ctggacaaac ttaaggctga gcgtgaaaga   240

ggaatcacca ttgatattgc tttgtggaag tttgaaacaa caaagtatta ttgcacagtt   300

attgatgcgc ctggacatan ggatttcatt aagaatatga ttactgggac actccagctg   360

actgtgctgt tcttattatt gattcgacac tggtggttat gagctggtat ttcaaggatg   420

gacagactcg tgacatgctc tgcttcattc acc   453

<210>   9651
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220103h12d1

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cctgaaactc gctgcgctta acaaaaatgt aatcaggggt tccgacaaac acaacacatt   120

aaaacacaga taaataaaag caattttgcc accgtcgatc aagaacccag ttctgggaac   180

aacagttgcg agatgatggg ggagacttca aactttgtcc gaaaaacaag cttcctagaa   240

aagaagacac atgagtccag aaaagaaacc aacatttatt gtaaccaaca tcccctgatg   300

aaccagcccg cacgattcac ttctttttct gggcagcctt ggtgaccttg gctccggtag   360

gatccttctt ctcaacgttc ttgatgactc ccacagcaac ag   402

<210>   9652
<211>   316
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104a02a1

<400>   9652

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cactcatcat gatggctgcc gaaagtctct cactgtgcct gtaataggcc tcggagcagt   180

tattttctta atatctgtag ttggctttttt gggtgccctg aaaaacaact ccatactatt   240

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ggtgttcatc gtgact                                                     316


<210>      9653
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<223>      Clone ID: jC-gmfl02220104a02d1

<400>      9653

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tttgcatggt ctgttgtggg ggcagggggc gcgttgtcac ctggccgcgt tccgagagga    120

gacgcagccc aagagccagg aggacacacg ggagaccggc cggccaccgg ggcggggccc    180

ccaccgacgc ccgggcgggg gcagacgccc ccccacaccc cccgggcggc gcacacgcac    240

ccgaccgcgg ggagcccaga ccggggggggg ggccagaccc cggggggggg gcgccggggg    300

gcgggcgggg ggcagggg                                                  318


<210>      9654
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<212>      DNA
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<223>      Clone ID: jC-gmfl02220104a04a1

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actgatcaag cattgcctaa tgatcttgtc aagagaggag ttgcggttaa ggatccatct    120

gctccccatg gagttcggct tttgattgag gactatcctt atgcttctga tgggctagag    180

atatgggatg ccatcaagtc ctgggtgcat gaatatgtct cattctacta caagtcagat    240

gcagcaattc aacaagatcc cgagctccaa gcttggtgga agaacttgt ccagtgggtc    300

atggtggatt tgaaagataa gccatggtgg caaaagatgc aaactcggga aaagttga     358


<210>      9655
<211>      497
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmfl02220104a04d1

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cactttgcca tgccagctat cattgttgaa acatgcgcga gaacacttaa cagcaattta   120

tacaaacaga atttcttcat taacacttaa cagcaaacac gagaacattc aatcacccca   180

aatacataac ttaaccatac ataggtagat gaaggaatca tattccttct attcactttt   240

attgaaaacc agggaaagta ctgcaacaac catagagccc ctagatggag atactgttgg   300

gaattcctct gaaagtcaat ccctcctcac tagaaggata gagcaaagtg taaggcattt   360

tagccggccc actgcggttt ctcaacgtct cgtccttgtt cttctgtata agcttttgtt   420

caatctcttg aagcttcttt ccaaacctct tgaaggcctc tagtggacca gcatcagaag   480

tccaatagtc accacca   497

<210>   9656
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<223>   Clone ID: jC-gmfl02220104a05a1

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gcttccaatg acaacccta ccgacaacaa taacaaccct gcacaggaaa accctaacaa   180

aaccctagac cccaccgaac cagatccaat ccctgccacc gaggacgacg ccgccgccga   240

cactaaggac tccgacgcca aaaattcccc gccgcccgat tctggaaacg acgctccgct   300

ctccgatatt cagaagaaaa tgcgccgcgc cgagcgattc ggcatttccg tccagttgtc   360

cgagaaagag aagcgcaatt cccgagccga aagattcggc actggttccg cttcgaggga   420

tcagagccat cgaaatcgga ggagctgaaa aggaaggcta gggcagaaag ggttggaatg   480

cctagtccta ctacaac   497

<210>   9657
<211>   316

<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104a05d1

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aacgaaccag aaagagacac ataccagagc acaagagagg caaaaacccg agaaggacaa   180

caaccagaca aacgcaaccg gcagaaggaa aaaaaacaca acgaaaacag aaagagccga   240

agaaaaggaa gaggaggcgg ggaagaccaa aaaggagaaa ggaaaggccc cacaagcgca   300

caagcgaaag agggag   316

<210>   9658
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104a06a1

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catggctgcc tccgtctcca ctgtcggagc tgtcaacaga gctcttttga acctgaatgg   120

gtctggacct ggggtttcag ctcccagttc atccttcttt gggagcagct tgaagaaggt   180

tattggctca agggtcccca acacaaagat ttcctctgga agcttcaaga ttgttgctgt   240

agaagagaag aaagagattg aagagaccca gcagaccgac aaggacagat ggaagggtct   300

tgcctatgat atctcagacg accaacagga catcacanga ggaagggttt tggntgactc   360

ccttttccaa gctccacagg atgctggaac tcactatgct gtcatgagct cctaccagta   420

ccttagcact ggacttcgnc agtacttggg gacacacatg gatggatttt acattgctcc   480

agcttttatg ggacaaactt gtgttcacat tacccagaac ttcat   525

<210>   9659
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104a06d1

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aatcatctca aacttggcat cttctctttg cacctaagac attgagaatt ctaagaatgt   120

tacacgcaag tcccatcaca acttctagca cttggatcag cacaaccttc aggaacagaa   180

atatttactt gccaagtttg ctttgcctcc aattcaagat tggaagaaag ttcccctgtt   240

aatagcatcc tcgttagcat ttccaagtgc agcctcgttc aagtacttgt cagccaattg   300

gactctcttg acattctctt gttcttggac aagcatgtta ccatacgtca agagcttctc   360

cagagtcatc ttgggctgct caaaggttgg aggtccatct tttgagttca caagcttctt   420

cccaatgccg tcaacaccaa caccagaaat ccacttcctc acttcgtcat catatactct   480

ggccctcagt gcaccaaaga aatcaat   507

<210>   9660
<211>   468
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104a07a1

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accttctcgt gccgagttac tcgtacctga acgaaacgct ttacgacgtc gattgcgtgg   120

agaggatttt gagtcacttt ttggaaggta tggaagcaag aaacgccacg aagacggagg   180

atgcggcggc gacgaggtcg ccggcgctga tgctcgtcgg aaagctcatc gacggatacc   240

tctccgagat agcttcagac gcgaatctng aagccgagaa gttctacaat ttcgccatct   300

cacttcccga cgaggccaga ctcttcgacg acggtctcta ccgcgccgtc gatgtgtatc   360

tcaagggcac atcgtgggtt ttggaagagg agagagagaa gatttgcgga ttgttggact   420

gtcagaagct gacgctggan gcgtgcacgc acgcggcgca naacgaga   468

<210>   9661
<211>   462
<212>   DNA
<213>   Glycine max

<223>　　　Clone ID: jC-gmfl02220104a07d1

<400>　　　9661

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aaaaaatgaa caattacaag tggggcccat atgaaattta ctccaacaat gattctcacg 120

tgaggggggag gaagttgagc atggtaacta atcatgatgg ggatgatgct gctggtgatg 180

gcgtcctttg cgggtatcaa cggtcgttga ctcgtgcgaa tcacaaacct gagtcttaaa 240

cttgcaaccg aatttccggt ccagcgacgc cctccaaccg ccgccggagg cggcaaactt 300

gtcaaacttg gaaatgactc tcttcataga ggaacactcg cgttccagtt gatgcacgcg 360

cgtcctcatg ctatccatgt ccaagcgcag cacctgatta tccctcaccg acacgcgcca 420

cgtgccgttc cgttcctgca cgtgctctaa ccctaatcct tc 462

<210>　　　9662
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<212>　　　DNA
<213>　　　Glycine max

<223>　　　Clone ID: jC-gmfl02220104a08a1

<400>　　　9662

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tcatcctttta tcctctaatg cgagacccat ttgaataaat ccccaaatat agaaaaaggg 120

gttttacatt tttccatgat caataaatag cggttgttgt tgttgttgtt gttgttgttg 180

ttgttgttgg atatgctgag gttgtggaaa tggtaccaga attgcttggc ggttcaccct 240

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gcagttaccc actacactgc caagaaacgt gtcacttttg atgcggatga cactaaagaa 360

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cctgttggcc acttctggta cgaaggtttg gatcggggtt atagactgaa actcatgctt 480

aaaccgaatt cct 493

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<211>　　　225
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<223>   Clone ID: jC-gmf102220104a08d1

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aaaggaaaac cttccgacaa tcccggaaaa actacttcca tttcctggaa aacccccact   120

ggcaaagtct gggggggtat cccccgcgaa aaaaaaacgg ggggggccat ccaaagggaa   180

gtcccacccc cggggacccc cccaaaaaaa ggggcctttt tcaaa   225

<210>   9664
<211>   502
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220104a09a1

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aatgatgagc ttcttctgga aggatttaaa aagtgcaagt ctcttggtgc cttagctatg   180

gtccatgcag aaaatggaga tgctgtgtac gaaggtcagg aaaaaatgat agaacttgga   240

ataactggtc ctgagggaca tgctctttca cggcctgcag tgttggaagg agaggcaact   300

gcccgtgcta ttcgtttagc tgattttgtg aacactcctt atatgtggtt catgtaatga   360

gcattgatgc aatggaagaa attgctaagg cccggaaatc aggacanagg gtaattggag   420

agcccgttgc ctctgggtta gcccttgatg aatcttggct ttggcatcct gactntgaga   480

ctgctgcnag tatgtcatga gt   502

<210>   9665
<211>   336
<212>   DNA
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<223>   Clone ID: jC-gmf102220104a09d1

<400>   9665

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gagaaaatgc tttgtatggg agtaacttcg aatggccctc cttggttttt aaaccaatga 180

catgctatta aagcaggggt ctatgactca aaatatgggt gtagattaca agtgcaatgt 240

gaacctgaac agagagttcc attatctgaa agtgctacat actggaaggt gcagcttttt 300

attaaagcta cggggggctt tttaacagat ttagac 336

<210> 9666
<211> 544
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104a11a1

<400> 9666

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gtgcccacat gggcctttga tcacatcaaa tatttcaatg gtggttctga cattcagctt 180

catcttgaca agtacactgg tactggcttc cagtccaaag ggtcttactt gtttggtcac 240

ttcagcatgt acataaagat ggttcctgga gattctgctg gcacagtcac tgctttctat 300

ttatcttccc aaaacgcgga gcatgatgag atagactttg agttcttggg gaacagaaca 360

ggacaacctt acattctgca aacaatgtgt tcaccggagg cagggtgata gagagcaaag 420

aatctatctc tggtttgatc ccacgaaaga ataccacaga tactccattc tctggaactt 480

gtatcagatt gtgttctttg tggacgaagt gccaatcagg tgttcaagaa cagcaggact 540

tgga 544

<210> 9667
<211> 434
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmf102220104a11d1

<400> 9667

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aggatataat tatataaaat tgtacatagg aagtggaaat gtgaatgtgt ggcagggtga 120

taaaaatgaa aagagaagca acaataataa agtgaatgag aaatttaaat atcacggact   180

aaaatatcta ttcactcgaa atttaaatgt cacggtctct tttgcactca ggaggagaga   240

tatgaggata gcgtttagtg tcagtgcagt agttgtagat ggtgtatttc tggcgcaccc   300

atctgagcct acgccactgg gcggcgtcaa ggtcacggaa ctcaggctgg tcccaccacc   360

tcttggcctg cgtgtcgcaa aacttggcgt tcaccgaagc ctagcacccg tcgatgtgaa   420

accccttgta cgct   434

<210>   9668
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104a12a1

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ctcacaaagt tagacggtgg aggaaaacca gtgggtggca gtgtggggag agtgttatac   180

tcttctccag tgcacctttg ggaaagctct acagtggtcg caagctttga aaccgacttc   240

accttttcca tctcatcaga ctctactact ccaggtgatg gccttgcctt cttcattgca   300

ccatttgaca ctaaaatccc tccaaactct ggtgggagca accttggact cttcccatca   360

acaatgttgt tgctgtcgag tttgacacct accctaatcg tgataagggg gatccagatt   420

atagacacat tggtatcgat gtcaactcta ttgtctccag gcaactgtan gtgggagtgg   480
/
canaatggca naatagccac tgtacatatc agctataact ct   522

<210>   9669
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104a12d1

<400>   9669

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gtacataatt aagcagtagt ggactaggta gtacgtactc tagtctcctt atttgtcctt   120

4400

aattattggc acacaacaca acacaacata gcatagctag atgagattta ttaagatgga   180

aagtgaatga ccagaatcat ccgatactgt tgttgaaggc taaagaccat gagtgaatgg   240

tatttgcttg tttctgctgt ccagttgaag cagataatcc aaccctaacc cattcaggaa   300

gcactttgtt gagctcaata tcatgggaga gtgtcacagt ttgagtgcca ggatagaaag   360

cagcaacagt gagtctctta gaggcagagt tatagctgat atgtacagtg gctatttgc   420

cattttgcca ctcccaccta gcagttgcct tggagacaat agagttgaca tcgataccaa   480

tgtgtctata atctggatcc cccttatcac gaatagggta ggtgtcaaac tcgacagcaa   540

caacattgtc tgat   554

<210>   9670
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104b01d1

<400>   9670

tggttgccgg gaatttgccg tggtacatgt gtaggagtgc cgcctgcttg gggggggggg   60

ggggggggggg gggggggggg gggggggggg ggggggccaa aaccaaccac atgggtagag   120

agggaggggag cgcagaggca gagacaaaag caagaccaaa cccggcgata gtacgcatta   180

tttaccaaat agcacaaagc aatgacactg aaggaaggaa ttttgtcgtg taagtgtagc   240

agccaataag gggccactgg tcatcgccgc ctatgcggca ggagtctaca agaaaaagtg   300

tggaatgcca cgaacccct cctggaccta gagttggcat taggttccaa ataactgccc   360

gtgtgcccac ccgcgatgta gtttgaaccc attgcggccc agataacata tggatcgata   420

aggctgcgtt taccgaatca ggtgtgctta gggttcattg gaacggttat ag   472

<210>   9671
<211>   550
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104b02d1

<400>   9671

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4401

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gcatatagac cggtaagtta cagtgaagaa cggagagggg aataacacag aacaccggga 180

tttagaaata aaggcacgac tggaccagac attgcccatt ggcgagacat aagatgaagg 240

cgagtgaatg ggcaatgatg cctacttaca gcaaaagcac caatactact actacataca 300

aggcatgaac acgagtatgg cacagcaact tgtgtagggg caggggcacg cactggacca 360

gacattgccc attggcgact cataagatga aggcgagtga atgggtaatg atgcctactt 420

acagcaaaag cacgtagggg caggggcacg cagtgggcta tagcggttgc tagggagttg 480

gtaacgtagc gccacgttca tctggattaa ttggagtaaa tatagcacaa ttaaaggcta 540

aaaggggggg 550

<210>   9672
<211>   407
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b03d1

<400>   9672

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tccttgtagt caaccactac atataattga ggaaatgaga ttgtcttaaa agtggatcaa 120

gatatataaa aagatacaat tgtttcagaa catattacat tacttgggat aaagaatggt 180

cagaagctta tggcgacaaa atgaagcatg atgacatctt caataggaag cagcaagata 240

tgactatttc gtgtcaacag catgtcagca tttcctaaca ctttcaggag ctcccgagta 300

ttacattgaa tgtttctttt actttccgaa ccaaagcttc cctgtcgggt ttgaaaacta 360

tgttcttgta tacaaaccac ccagtgtatg caatgccctc gagccca 407

<210>   9673
<211>   530
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b04d1

<400>   9673

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ttgtttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120

tttttttttt ttttaaaaaa aaaacccccc cattcttggt ttttggggcc gccccccccc 180

aacggggaga actaccccaa aaacccacgc gggggggaggg ggagattaac aacacgggtc 240

ttgggtctcc aaacacaatc ccgtgcccct ttgcaggaaa aaaacatttc ccctttggag 300

ccccccgggg gttcttcaat tagggaccaa aaggggggggg gccccggggg ggaacccgac 360

cggcccccccc ttttggttt tttttccccc cccggggggg ggaaccacaa aaaaggacgg 420

ggggggggctt ttgggccttt tcctgcaaca aaactttttt gggcccccccc caaaaaaaaa 480

aacgcggccc cctcccccac gaaaaaaagg ctttttgggg gggggccccc 530

<210>   9674
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b05a1

<400>   9674

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ttgctcatgg tcagtgttcc taagttctcc tcaccggtcg ttacgaaaat cctcttcgag 120

actcccagtg ctcatctgcc ctccacgcct aagccaccct cacaatctca ctaataaccg 180

cagtcaaggc agcaatcaca gacttactag tgttcaggat accttgttcc gcaacaacta 240

cgatgctaat ggcctctcca cctgcaactg gtgcagtttc agcggtcacc acaggaccca 300

tagcaataaa catctctggt ttcagaatat ggctaatctt cgttgtcttg gtaaccaact 360

gtgtcaagtt ctgagccaat gttgtacagg tccaactcac cctactaact gggatggccc 420

gttggcaatc ccatcaaagg agcaagaaag 450

<210>   9675
<211>   435
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b05d1

<400>   9675

aaacaaaaca tctcttcatt aaaatctgag gatgattaga atatagtaca tgttacaatt 60

4403

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atacattttt ccacgtcagg cttgcccatt tgattcgatt tcttcttgcc cactttcaca    120

agtttttgca ttgcatctct gaatatcaca caaacaaaca aataacttat ggagtaggaa    180

ggtgatcttc caccctttcc tccaaacaga tgcttctttc aacactttta aaagaacaaa    240

aagacaaaat gaaaacaagg tataacaaga catcttagga atcatcgggg ttagtaatca    300

aaggtggttc ggtatcctcg ttctgagctt gagtttcagt ttgtgttgga acttcctgct    360

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ctgttccatt ttgag                                                     435


<210>     9676
<211>     551
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220104b06a1

<400>     9676

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acagcaagga tctttcgtgc agggttcctc caccagcctg gtgttcctca tgcgctatcc    120

tcctgcacat gtttctcaaa aacttaaatt gtcagtcaag cggagtcctc tgccatagta    180

ttccaactat tcgcgtctan atcggccatt aagagagaag ccaacctaaa cgtagtaaaa    240

aattacaatg tcactccgct cgtcactact gttcaaacga gtcttcaggt tactatctat    300

gtcacagaag acaagccagc cacagaacaa aacggaaggg ggttgccacg aatgagctgc    360

gctaaggaca gtggcgcgtt aaaattaacc ccgccagctg ctccacaagg ggggtctccg    420

tggttgttgg tacttaacaa taccgagatt gatccgctgt ggtgcaatgc ggatgcgaac    480

caatgaagca aacataacct aggcacgtag gggcatattt agccagcaag cccgagcgta    540

tgaagtgcct g                                                         551


<210>     9677
<211>     478
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220104b06d1
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<400>   9677

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gaaaaccaag ttaacagtca aatcacttgc ttcacattaa ttgcacctac atgctacaca   120

caattgtttt tccatgatat ctagtaatct agttctcctg cgcatggtag acttgagaat   180

cttccttcat tcctggatca atttcaggag acgatttgga tgcagtaatg caacttttaa   240

tccaggaatc atcaaaattg ttagccttga gaatcttgga caactcatca acaccatcca   300

catccgtctc ttcttcatag tacttgagaa aagccccaac aacttgtggt gaaggacgcc   360

atttatcacc cttgacttct gaaagcgctg cctccaagtg cctcacagca gcatccaact   420

catgtttctt caagaaaaac ttcatgaact cttcccgaac cctaaagaaa ggcccttt   478

<210>   9678
<211>   146
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b07d1

<400>   9678

tttgttttttt tttttttcat caagattgat tgatttaaat ttatccgaat gggttatagg   60

gaataacaaa aatgcattca catattcctc atacgaattt aggaagacaa gctcgtgcat   120

gaatacctaa attgacaaac atatcg   146

<210>   9679
<211>   591
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104b08a1

<400>   9679

atagcgtcga tctgtcgcta gcgaatgtgc cagagtgccg tgcatgaccc aatgaacaca   60

gcggcgaaac tgagaaaaaa cacatgacca actaaatgtg ttaagatgta atgtgggctg   120

cgtagcggct gccaaagcgg cagcaataag aggccacact agaggtagca ctaccgcagg   180

cagatgccaa ggaggttgag gtgacgaaaa aggcgcaaca aaaacgtgca gggcttgcgc   240

acccactcca gagggtgttg atgacagctt atataaatag tttggccgcc gctagtgcca   300

4405

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aacgggttat acgaggagaa gctagaggag cagggccgca cgctgccacg ctacgggctg   360

taacccagta acgccgttaa gtaaagaagt tgacggtata attgacgacc atgacgaagc   420

gattaaatac acactaactt gcattgaaat agcaactacg gctgtactta ctacacgttt   480

acatgcgttt gcaagtgact aggaggtaaa acctgcctaa gctaggacaa cgattgaaac   540

aacgtttgca gcggcngcag ctgtaaaagt tggtaccact agcccagcaa g             591


<210>       9680
<211>       433
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220104b08d1

<400>       9680

caccaactat cggttaatat taattgtggg aagcagaaaa gaaacaagtc cacaataaag    60

ccaaacatta cagcgaggtc ccaaaattcg agaaaccatc acaggccaca aatgcaaacc   120

aattcaattc atttaattca aagctgcgaa gaagtcctat gcataacaaa agcaggaaac   180

aaccccaact gtctactact ctctgtcttc atcactgcag gaggtaagta gatgaagaag   240

cattcattca acaatgccgc atcatcatca tcatcatcat gtgtaaatgc tcacaatttc   300

ggttggaaga gcaattagaa caatggccaa agccatcaca atcgcatagg taacggtact   360

actgggttga accatgcttc catacgatgc gttttggctc ttgggggtcg tagtttgtga   420

gtttgaggtt gca                                                       433


<210>       9681
<211>       520
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220104b09a1

<400>       9681

tcacgtcgca tctgtcgcta ggaatgtgcc agagtgccgt gcacaaaaaa aaccaaattt    60

ggtggactgg actggtggtg gtgttcagta atacgtcttg ttgtgttgtt ggaggggctc   120

gtcttgtctt ccaaacatgt aaaatacaca cacacacaca cacacacaac ccgttcgaga   180

aaggacccgg gtgggtattg aatacactta gtcaattgac ttgtggggggg tggttgtggg   240
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4406

tctacactca ctcatgtctc aaaagaacag ttgctgttgc agtgaccgtc taaaagtcta 300

caagtaggtc aggggctcag gtacagttgc aggggggatga ttggcttgcg caccaatcag 360

cgggccggtc aatttggggc cctacgtcgt cgtcactttg ggtcctgtgt aagtccgggg 420

tccatacatt aaggtcacga ctaagaagtt ggggcttttg aacttagggc cgacgatact 480

gttagggccg gtctaaattc gtccggttag agggccaccg 520

<210>   9682
<211>   418
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b09d1

<400>   9682

gactgaactc ttaatcaact tattgaaata aaaaaaatca tatcaaacat cataattcaa   60

aaaaataaaa gttgaaataa ccataacagc tatgcgaatc aaaatttaag tacgtaaaaa 120

aatgatacta ggaaacccat atttgaacat ccccaaccgt aagatctatc aaatatcccc 180

aaagcaagat aagaaccaca tcaacaacat ggcccaagc tatatccaca caatacagtg 240

acaatttaca ggaaaaaaac aaatacattt taaagcagaa cattggttct gaaactatca 300

aatttactgt ggtcttccac tgtatcaaaa ccagacggac caaccttagt tgtcatcatt 360

tatccaactg ttttcatctt ctactagctt ggagatgctg aaatggctga ccctgatc 418

<210>   9683
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104b10a1

<400>   9683

tcacgtcgat ctatcgctat ctgtcgctac gaatgtgcca agtaccgtac ctggtgtggc   60

aatgacgtgt gctctgatat ttgttcggtg tatgggtgtt tggtggtaag cttatgtggt 120

ggttgggtgt gggtttatgc acacacatgc taaatgaagg gtgacgaggt tcatttcaca 180

tcttcgtttc ccgtctcatt tccctactag gctttacaac aactcttctc atcttgtcct 240

tcaccaccac caagttctga accctcttgt tattattaag cttcgcaagc accccaccc 300

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cataccacag ccccaatatc ccgtaacatc acgcacacgc ccaaaccgca atcacaactt   360

acggtatcaa actggctcca ctagac                                        386


<210>      9684
<211>      322
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220104b10d1

<400>      9684

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tactattaca caatatgtaa gcctttatgt attcaggaca agcagcattc ttttacaaga   120

ataataacta tcattttaaa ggttatgaat gaagagtatc agcatactaa actacatatt   180

gggtaaatga attcattttc caacacacta acaaatggag ttgcttgagt actaactagt   240

gatcctgtgg aaacaaacca caggtccatg cctcttgtag aaaacaagga atgaggtgtc   300

tataggacta aacaacaaca cc                                            322


<210>      9685
<211>      468
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220104b11a1

<400>      9685

acactaggag cagctgtcga tctatcgcta ggaatgtgcc agagtcctgt cacgcttcac   60

tgaggctggt tgatttaaac cagagtaaac cgacaggtag gagtgatcgg aacctgccgc   120

gtgagcatca cgatagcatt cggtttaaca cggtaaacaa taggtgtagc gatgcgcagc   180

ctttgctgaa cattagtagt attccgtcta tcaatggtcg tgagccgcgt aacattagct   240

aaatgcatat gggtcttaat atgctacaac ccggtaggct taagctaagc ataggttaca   300

atgtgcttgc gctgcagcca tattaagttc ggctaggtag cagttagcca catagcgctc   360

tgtgtcggcc gagcttatag tgtcccggat taacatattg gctgtcgcta cattaatacc   420

taaggtgatt ctagtgctcg tagagatcct gtacgacatg gtagtggt               468
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<210>     9686
<211>     448
<212>     DNA
<213>     Glycine max

<223>     Clone ID: jC-gmfl02220104b11d1

<400>     9686

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aaatacaaag aataacaaat tgtctacgga ctatgaccct catcatcaca ctctctaaca    120

gtactcaatt gatgatgcat ggatatgtgt ttgtgtaatt tcaattaagc cttcatgaag    180

ctaagtgcgt gaggaacacg gagagctttc aaccagtcgc ttccaccgtt ggctccagcc    240

tgtaggaact gggcaggggt gaattgggta gcttcttcgc ggctaataag accacggtaa    300

cccttccact tgatccttcc gttaacgttg gcaccaggtc catcgttgtt gtattcagca    360

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aagtcaccca cggtggattc catcacaa                                        448


<210>     9687
<211>     582
<212>     DNA
<213>     Glycine max

<223>     unsure at all n locations
<223>     Clone ID: jC-gmfl02220104b12a1

<400>     9687

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ccacccaaca ccataaccgc ctaccgctag gtgtagatag ggtagggcca ccccctacat    180

agccagcttg gccccactta gggctagagt gctacagaaa actaagagcc atgtagtgct    240

ggaccaaggg gcactgccac ggccgcgtat tggggttaca cagtcaggcc aagcttagcc    300

ggcgcccacg caaccccaaa cgcagccgtt cagagaactc caaccactgg gtacggaagt    360

aagaccatta tagaaggtac gcgtgcctag caggcgaggg gaactacgga ggccgacgtg    420

gggtgccggt actggtgcgt aaacggtcgg cgggagggcc taagcaagag tgacaagtgg    480

caggcgcagg ngcgggggtg gtgaaggtga gcgacgcagc ngaatggann aaaaaaaaaa    540
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gaaccctcca tcttcatgac gcactgtcgt catttcccag ga   582

<210>   9688
<211>   436
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104b12d1

<400>   9688

aagttaaaat cacttaatag aattagaaga aaaaaaaaat caaaatcaag attctagata   60

ttcattgcca aataaacaac gaactttgac agaagctgaa ccagaaaaga ctaacaataa 120

ctgcttaaaa taaaatcatg ccagacactg aattatgtgg tcctattgat taactgaaag 180

ctccttccgc ttatatcgga ccatcacttt ccccttcact cccacaacca tggcattcca 240

atcgatctct ggaaaaggtg acaccaactc cagctcaaaa ttcctaagca gatgagtcca 300

tattgctttt atctgcagat atgcaaatgg ctccccaagg catccatgtc tgccccctcc 360

aaatgaaatg tatgagaatg cacctgccac cttgtnctct tccctcccca cagcaaatcg 420

atcgggatca taccta   436

<210>   9689
<211>   494
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c01d1

<400>   9689

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ggggggggg gggggggggg gggggggggg gggggggggg gggggggggg ggggcccggc 120

aaaaaaaaag ccggcatccg gggaatagcc gcaattaagg ccctagaagg ctcggggcag 180

aaccagcttt ggcaggccaa taaccgctgc ttgataggtg tatggtagct ttcgatggaa 240

gtataccgga ccggataatg gaagggacac ccctaccccc caaaaggaat ttaggatcgg 300

ccccaaataa aagcgaacat aataagtaaa aaatcgggga ggcgttattg gataaaaagc 360

cggattaaaa aggcatgatt ggctcaaaga gggaaatcta gtgtcctggg ggagaccgct 420

gccccgggtg gcccagtacc ccgaaattta gagcccccct ccgacccata gtaaaaagca 480

ggttactggc cagg   494

<210>   9690
<211>   495
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c02d1

<400>   9690

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ggggccctct agatagcata tgaagttagt cgtagaaggt attaaaacta ggcaaacaaa   120

agtagataac aagagctaat aaagacaaag agcaatcctc tgatgtatga acgagaatca   180

tatggaaaca agtagaataa aaagtagcaa aggggcaaag aacaggacag acctacgacg   240

agtggctctt ctagaggacc ggacggcgtc aatccatgca cagtggtata ggaactacag   300

catcataccg gagacgtact gcgctaatta gtactacacc catagcgtgt aactgggcct   360

ggtcacgaga gcgtcctaca aggactactg agtacgcttg ttatgaagca aggcttggca   420

aggggggacta ctaagacagc gatagatacc aaaacctggg taggtcagct taaaccataa   480

gctagcaaaa gaggt   495

<210>   9691
<211>   338
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c03d1

<400>   9691

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tgacacgaag ttctactcac caaaacaaat gataaaacgt tttattgacc aaaaaacccc   120

aaagctcttg gttgataatg tgaaacaaga ctctacaaaa tacaattatt gaatatccta   180

gaatctcatg gcgctagcgc aaccgtagag ctatgtgcca aaaaatagtg aggaaaacct   240

tggggctata aactcatgaa gttatcaatc atgtgtaggc agggcagtta tctgaagtcg   300

cgcaagcgac cctacatgtg agcttgatca aagttaat   338

<210> 9692
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104c04d1

<400> 9692

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tttgatgaga agttcgcaag aatcaaaaca gaacccagta tcatgaacat tggcatgatt   120

catgatcact aacaaacgca cgtagcctga aaactataag aattctgcac atacacgaca   180

caaattgcca cccccaaaaa aattaaaaag aagaagaaag aaaccgtgat gaacctcgca   240

taattaatat gctcataatt taattcaatt caaatttc   278

<210> 9693
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104c05d1

<400> 9693

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ctccaggccc cctaacatga caagcctctg actttgtgat taagtttcag gcgaaacatt   180

ttggtacagt ttctacatca agggcttctt cctatgtatt aaacccaaaa gggaaatgga   240

atattcacca atgagaat   258

<210> 9694
<211> 536
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104c06a1

<400> 9694

ctagctatcg atcatgtcgc gtagcgcaat cgtgccagag tagccgtgca ccgggacaac   60

gcaaccgtga acctcgttga aacttgtagg gccagcagaa ccggaggcga gtagccaagc   120

catgcctaag tgtagtgggg ctgaccctgg tgaacaggtg taacccgcaa cggcaaccca   180

4412

ttaaaggtga tgggttgcgt cggcctatgc aactaaaccc cgatggcaca aggctacaaa   240

aactactagg tgggagggcc aaatactggg ataagcgcca aatgtatacc tgatattaga   300

cgggtacata ggtgttcgtg aaactgttgc tgggtggcca gcaggagctg gggtgcaggg   360

tgccaggctg ccagtgtgag caagggccgc cgccaaggaa tgcctggtga gcccttaggc   420

aaggctacca aatttaccag cttggcgggt ggcagaccat accaacgcca gagggtaaga   480

agatagcaca acaggtggtt cggtgttgtt cccgaaacca acattagcag ccgcta   536

<210>   9695
<211>   146
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c06d1

<400>   9695

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aaaggatatg catcaatccc ccaact   146

<210>   9696
<211>   526
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c07a1

<400>   9696

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caacatcatt ggtgcagttc gtaacgccgc ttccagctcc accattatta ttgctgtaat   180

ctccactatt atggtgttct tggtaacata aacggtccta acattgatct tatctaccac   240

cactatcatt attctggttc gagtggtaac aataatggct gttctcttaa cgtatattac   300

aaaggccagt ttgttcttcg ttatcctcgt attaccggtg ttcagtgtat gttcgtccac   360

gggtcttctt acggttgtcc ttgcaacttc tgttcgtggt ttgtgcatct gtacaactgt   420

atcagttgat tcattaatca ttgcttgatt cagggtcagg cctctcaata gcccccttcgg   480

4413

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<210>   9697
<211>   410
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220104c07d1

<400>   9697

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cagtttcctc cttcataaca ttacattgng caaattattt cnacactacc aaaacttnnn   180

ccccttccac acanaaggca tccatcctta tatttaattg ttagaaacat gtatagcagc   240

gacaggtgag accatcgagt ccaccccaca tacattgcga cctctgcaga tcttgtaata   300

tccctcttct ccccagctct cccccccatga attctttatg atccagtaag gctttttcctt   360

aaaacgaatt ggagcataag caccagaacc atacccccacc aaaagaaccc   410

<210>   9698
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104c08a1

<400>   9698

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aattgggccc caatgtgcga ggcaggatat cttaggcaag tgtgaaggtc aaggtgagtc   120

tacatttggg gtcgggcgtt gtgtaaacgg gtcggtgggg cctttccaag gcagagaggt   180

acgctaaaag gggtgggggc ttgcagaaga gagcgaaata cgagagctat agatagcttt   240

gaggggccgc gggcggggac cgcgcttaag ccaccctaaa agtggccagg tgtccaagta   300

cctctagcgg cgccaaaagg gagtgctaac ccgggtgacg gctgtttggc ctcataacag   360

agttgaggtt caggtgttgt gccagcagca ccgccggccg agcaccaaca aggtgcggat   420

gaaacacgag gcgcaggtgg gggttatgca gactatgcaa ccctaggcga gaaaggtggt   480

44.14

gacaggagag ttgcaaggat tgcaaaaata aagccaaaac aagaatcacc atagccacgt   540

ggtactgaag tggtacaa   558

<210>   9699
<211>   500
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c08d1

<400>   9699

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accaatccac atatttcaat cctctaagga tttccagcaa tccaactaat cagctagaga   120

gctacatact cattagagct aaaatgctaa ctatcaccaa atcttaccca aagagaacaa   180

ccattgtcat caaataacca taacttcaca agccacttaa tttcaacatt ttaagctata   240

aaaactaaaa catgactcaa acaattttgc ttttttcttt ttattgttct ttgagtcagt   300

gcttctcaga gccagaatct ctcttctccc aaaacttgaa ctgcacagat ctttgttcca   360

gcatcttctc cacttcctcc atagaaaccc ctttggtctc aggcacaaaa acaatgacaa   420

agaagattgc cacaatggcc acaattccaa acagcatgaa tgtccatgct gtccctatag   480

cttctgtgag ggacaagaag   500

<210>   9700
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c09a1

<400>   9700

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caccatgtga atggcgcgct taggtatctt aactcgcgca tgaggagctt taaccagagg   120

tactgcctaa caaccaggtc gccgcactcg ctggcacggc cgctcggtgc gcgggcgcaa   180

cagccaggcg gccgcctgct ccagccgcgg ggcggatgaa cggggtgggg cggcaactt   240

gagaccggag gacccaaaaa gaccgcggga tggccgacgt agaggaaggc gtaggcctaa   300

agatgcttga acatatgcgc aaccgtgccg gcggacaaag ggcctagcga gggcaggggg   360

4415

ggccagttgg gagggtgtcg gggagggtgc cggcgctact tatgggccca aggcgaggcc   420

ataatgggtg cggcttagtg aagtgacggc aactgactgg agtcgcgtaa aaaaaataag   480

aaagaaaaaa agaaaccctc gttcttcatg acgcactgtc gtcatttccc aagga   535

<210>   9701
<211>   314
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c09d1

<400>   9701

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cccttttttt tttttttttt tttttttttt gacacgataa gctagcttca actagattag   120

atggcaacag aaagttgacc aatacaattc ccaaagtggc tgcacaacca gaaataaaac   180

gagaaataaa ggatccaaaa aaatgaaata catgccaaat ttctaacaac cagaccttca   240

cagtgtatta tgcaagtttt gccaatgacc attaatatgt gtacccagta aacacctatt   300

tttcccctaat aacc   314

<210>   9702
<211>   594
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104c10a1

<400>   9702

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atggacaatt aggctttaga gattatcagt acaaatgttg aggcatagaa gatgcctcct   180

gaaccgtgtc cgcgctacat tactgcgagt gttgtccacg aaaccgattt cagcagtgtg   240

ggaggatgac gacgtaagcc gtagctaagc taagcatcgt taagtccagc ttagattgca   300

aaataaagtt catttagggg gaacaaaagc ccgtaacttg aaccttggga atttcaggcg   360

ccgtctccag tatactagca agctgacacg gggttctcat ttaattattc tagccgccac   420

taaacagcca taggccacca gctgcagacc gccgacaaca aaacagacac caagccttga   480

4416

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gggagagaca acgaaccagg ggcacaacgc cagttaactt aactatttca gttaggtcct   540

gctagttata cgtagcgccc acgctttcca ggggagtttc ggtgggcaac ccaa          594


<210>       9703
<211>       479
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220104c11a1

<400>       9703

acactaggag cagtgtcgat cgtataggta gcgaatgtag ccaggtgcct gtacacctga    60

ctggatgagt gagcctgagc tgaaccagat aggttcgccc acgagcgc aagctttgtg     120

ccggcagccg cgataaggta aaccacagcc ggagataatg gcgcaactaa cgccatggcc   180

ctcggctaac agaaagaagc caactgcggc ctagcagctg taaaagccat agctaggggt   240

gctggcgggc cagaagccac cccgtaaagc ttacgcgttt atacccggga caccgcagcc   300

gcgaaaaaag gcgtaacaga gacagcaagc taaacacaac aacctggcgt acgctttgca   360

tgcgactgct aacaagatgg ccccaactga gcatgctacg gcgaccccac agtggtgcga   420

gagcagccat tatcagattg ctagaacgaa aatgcctacg taccaaacag tgatgccct    479


<210>       9704
<211>       354
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220104c11d1

<400>       9704

gggggggccca aaccggggggg gtaaaccccc ccaaaaggcc ccccctgggg ggggaaaaaa   60

aaatcctgcc aaaaaccaac aatcacccccc acccgcctcc tatacaccac actcccctct   120

tacgaccaca tttccaccca cctaaatctc caacataaac ccaccaccac ccccgggggg   180

gggagccctc accactctac gacacccctc nnccccccct tttatcccca tgcccccagc   240

caaaaagggg ccaaaaaaaa aacccccccc cccgcccgcc ggaaaaaaca aggggggggc   300

cccctttggc ccccacgccc tttggacaag gacaaaaagg ggaacccccgg gggg         354
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4417

<210> 9705
<211> 425
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104c12a1

<400> 9705

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ggtcaaggtg catctgggga tctcacaaac ccccattatt tgtgaacttg aacgaggttg   120

taagcattca gactcgataa cgattcgcac ccaaaccgca aaacaatttg agggacccac   180

gctaagacac aattgcacag ttcagctcaa taagtacgtc aaccactgga cacttgggat   240

ggcagaggga cgaaactcta tgtatgtgaa tcctcgattg gggctagcag cccgtactca   300

caaaagccca atactcctgg aacttaggaa cgcgacctct tgggtacacc gccaagtggt   360

gacggtggct gagggcattt caaattcagt cagtgactta gcactaccgg caacacactg   420

tgaat                                                              425
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<210> 9706
<211> 612
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104d01d1

<400> 9706

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ggggggggggg caatgcaaga ttttgataaa aaccagagaa gagagcacta agaaaaacaa   120

gatagcttgg ttaccagcta aaactgggga ccgaataaca tttgaggggt gaacctgctg   180

tggaatacac catctgataa atgacaagaa actgatacaa agcggaatgg accaattaga   240

gtgcctttaa ggaggagatg gcgtatttgt gaaatatacg aatagcagcc aatgagctgc   300

aaatgccaag tatggcgact gagcacaata acaatgatag cctgactggg gtgacgaacc   360

ggtggagtaa aatttaatca aagaataagc aaagaaacac gcagtgagcg actttctagt   420

aaaaagctag aagtgggcag ggtgaaaata gcaaattctg taagatgggg aactacgggg   480

tggcgggcct gtaaacatag atggcagtac gcaggttggc agccaaacaa catgtaccaa   540

tgtcggtggt acgggccagc tagctagtgc aggcagctgt tcgccactaa ggagtattgg   600
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cctggctgtg gt   612

<210>   9707
<211>   422
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d02d1

<400>   9707

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gcctaaattt gaatgtcatg cgttgtgtaa acgggtcttt ggttcccatt ccaagggcaa   180

aaaaaaaggc tgatattaat gaggtcttac agaagatagc gcaatacttg agctatagat   240

agctttgaga tcctcaagct gaaccacgct taagccaccc tattaggtga caagttgtcc   300

aagtacctct agcggcgcca aacggcaatg ctaacccata gtgacggctg cttgtcctca   360

taacatagtt gaggttcagg gtgttcgtgc gcagcaagca tccgcacttc catagcaatc   420

aa   422

<210>   9708
<211>   147
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d03d1

<400>   9708

aggctctcaa ctttcaccaa ctatcggtta atattaattg tgggaagcag aaaagaaaca   60

agtccacaat aaagccaaac attacagcga ggtcccaaaa ttcgagaaac catcacaggc   120

cacaaatgca aaccaattca attcatt   147

<210>   9709
<211>   404
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d04d1

<400>   9709

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taacatttgc aactgaaact tacaaacctc aggtcatggc acataatctg agaacataat   120

tacaagtaat ttataaactg aagcagatgt ggcttcactt attctctccc atctccacac   180

taccaagact aaatgagaaa tcaccaattc ctcacagctt aaataatacc aactccaaat   240

ttagacagaa atgaaagaa aagctaaaag agatcctgtt gtcaagagat cagtcactaa   300

aatcaaagct tccactgcga gagctgctgc cgttacgact atgtaaagag aggcccctca   360

tgtggccaga caaattagaa ccatccttgt tttccagaaa aacc   404

<210>   9710
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104d05a1

<400>   9710

gcgctacgtc gatctgtggc tacgaatgtg cccaggtgcc tgtgcaccaa aaaactgaaa   60

caaaagttgc gggtttcaga aaaattttcg ttcgatagcc gtgccgtatc tccagtcccg   120

gcaggcacag ctatattctc actaccacta atcctcctcc tcctcctcgc tgcctcgtct   180

ccatcacggt ttcgtccgca tccacatccg caatcccgtc tataacggtc gcagaaaccc   240

agatgtctgc ctcaacccca gtccacgtcc aaaatatagt ctcactcaca tcggtatccg   300

accacccgat tacgccctca gagatggtga tttgcatcct aacaatttac accataatgt   360

tcttgatcgt gttcgtggta gtctctgtct tgttcaccta ttcatcgttc tctttgcggg   420

cactgtatct gctgtcatta cactcccaag cccaactata accgctagac ttatggtcag   480

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caggggggtaa atccctgt   558

<210>   9711
<211>   432
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104d05d1

<400>   9711

4420

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ccaaaaaaaa aacagttttt ataagacata attttttttac aaggggggca gtatctcacc    60

cttcgttctt tacattggtg gcatttctaa cctttttgcca gtccgcacaa tgggttaatt   120

ttacccctgc aggagctttt aatctaccat ttaggcctaa caaacaaagg atggggtccc   180

ttaccttgtc aggttttttg ccctggactc ctataattgt tgttaacacc atcagaaagg   240

ggaacccata agctttgact ttttcaaca ccattttccc aggttggggg tctaacactc     300

ctatcatggg tggccccacc atcaaaaat tgggcccaca cacttggaca ctttccttct      360

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caattttcct ta                                                        432
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<210>   9712
<211>   558
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104d06a1

<400>   9712

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gactcttcca cttgttgatt gatttcaaat cttacactta atgtctttcg caatataaaa   120

tgctatctta atttggaatc cgatccgcgc ggtaactggt aggatactat tggtcgtcgt    180

agtggtttgt ggtacaataa tgttggtcgg tgctgctcta gggttggtgt cgacaagtag    240

tagtaactta acaagcccgt tagagttcct ttacctttac tttaaccacc ttaactgtgc    300

cccgcctacc ggtcaccacc ctcgaattca tcggcgacac accggtattc acgtcagtgt     360

tggtcataac tactgtgata aataacatag tagcccaact acactatatc tgataagctg    420

tctgtattac cgggcgaatt cgcacgcata cacatgttag gtgttaaccg ggccatcaaa    480

gacacacctc taggcacaag ccacacggta aggccacact gcatacccac cagcggtata    540

gcaataggca gcttctct                                                   558
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<210>   9713
<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104d06d1

4421

<400> 9713

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gggtgctaaa gatgagttta tttcattaaa agctacacaa aattcattcg acatgctaaa   60

attacagtcg aacaggaggt aatgtaaaat gcaaaaaact cataacttac ggcatggcac   120

atttgattct gaaagtacat aaccctgact aatttgcata taacaactaa tgctctcgca   180

cgcttcaaat actcaaaggt atcatcttgg ttgattccag aattacgtgt tccagcaact   240

ttggcaaggc agtgagctat tattccatgt tttaggaatt ggcttcccta gcacgatgag   300

aatttcatga cagtagggta atcttcactt catttcaagt tttttcaacc aataatcaag   360

ttggctggca acacatgctg acccggtgga gccataagag acaaatttct taatcgcatt   420

ttctactcca agaaattcat acacatcctc ctcaaagact ggatttatac ttctcagctc   480
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<210>   9714
<211>   541
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d07a1

<400>   9714

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ccaacaaaaa caggaccaca cgcaaataac aacaacaaca acaacaacaa caacaacaac   120

aaggcacaac agccgcgggc accaaatgca ctgcacctgc ccatgcccat gagcgtgttt   180

gccaaagcca gttatgctaa taatgcaact gctgctgctc caaggaccac gcaccaacac   240

acccggtgtg cacatgcaaa tgcagcaaat acttattcgg cagggcagct ggaattgtgt   300

atttaccaac tgctgctgct gcagccgcta cagttatcgc acaacttaaa catggtcttc   360

aagcacaaca tttggtgctg gtttcagttt cttaacttgt tgcttaacct ctaacgccgc   420

ccagccgtat ttcgcaacgt gggttccaac aatagcggtc tactttaaaa cactactcct   480

ccacagcaaa ctcaagacac tactttgaag ctaactgggc gtaaacggac tagccagcca   540

c                                                                    541
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<210>   9715
<211>   501
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104d07d1

<400>   9715

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tttagagtca ttatcgtttg tgttcataat ttatacttac gacatctcac aactttgttt   120

gaaatatata ttatataaca aaccataatg atacacanat ttacttaact atattttta   180

acannntnnt nnnnnnntnn nnnnntnnna aaaattaaaa attaaaaaaa taataattta   240

aatantntcc tctcatgatg atggagcaga ttttggactg gtaactacta gtctagctcc   300

tgttcttgca tttctccacg gctcttggtg ccagtccaat agcttccttt cctttcatga   360

tacgtaaacg cttgcatgat tcaacaaaca tctcccatgg cacatcaccg acaagcatcc   420

agtcgccatc cctgtcttca taggtcggga catagtcgga gctgttcaaa agatccatca   480

acttgctctc attcatgaaa t   501

<210>   9716
<211>   532
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d08a1

<400>   9716

aactagctga ttgtcgctag gaatgtgcca gagtgccgta caccggcagg aagcaggtga   60

gggttggggg tgacagctta ctgattggag cgggccccac gaacaaaggt actgacaaaa   120

atgcatacct tagcgaagag ctgagcaggg cagggcgcat gaaggggcag ggggggttgg   180

tgggcggcgg gttggggaaa aaccgactgc atacctgacg aaaccaacg acaaagaaat   240

gcgtgtgcag taaaaggagc ggcgggccca acgaacaaag gtacagccaa gaatgcatcc   300

ctgggcgcag agctgagcag ggcagtgggc atggagggca gggggggttgg tgggcggcgg   360

gttgggaaaa atagcgtatg accgcaggtg ccgcgcaacc ccactgggct aatgtcgcga   420

ctgcccgtgg tgcagtggga tacgcgcaat aagtcgacct tagagtagcc gaggaatggg   480

cggaggctat agcatccagg tattggctcg cagtggcggg tagataaggg ta   532

<210>   9717

4423

<211> 336
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104d08d1

<400> 9717

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ggacatgaaa gaagcattta aagaaatcct tttggcaatc aaaaattaca acactacatg   60

acaagaagtt ctactcacca aaacaaatga taaaacgttc tattcaccaa aaaaataaaa  120

agttcttggt tgattttctt aaacaagaat atacaaaata caattattgc atctcctaga  180

atatcatggc gctagcgcag ccgtagagct atgtgccaaa atatagttag caaaaccttg  240

ggtctataaa cttatgaagt tatcaatcat gtgtaggcag ggcagttatc tgaagtagtg  300

cagttttccc tacatatcaa cttgatcaaa gttaat                            336
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<210> 9718
<211> 576
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104d09a1

<400> 9718

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atcacgtcga tctatcgcta ggaatgtgcc agatgccgta cacctgaggc cggtatgccc   60

gccggcgaga taacaataga cggggtaaat ttcataccca actgggccga tccaaacgaa  120

aacaaataga taagcaaaga tgtcccacta atgcaaacgc ggaccaaagc tgcacagctg  180

cggcatatca aagacgtaga gtggctgctg gttgaggcaa cagcgtagta gctggtaggg  240

gcgtcttaga actggtgcat tagatgggag tttaacgaag cgaagagcgg tgcaaaaaag  300

gcgagtgggg gagagagtgg cagttatggg gaacataagt gtagggttgt aaggagagcg  360

acgccggcat gataaccaga acaaaaacta aggcacggta ggcactgcaa ggtaagcatg  420

ggcaaacaag agggtagcaa aaaaaaaaa aaaaaaccc tccttcttca tgacgcactg  480

tcgtcatttc ccaaggaagg ttccattccg attgctanct cgattactgg gtttgagacg  540

cacgtcgagg acactagcat cgaagtagcc gtagac                            576
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<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d09d1

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aaggggaaaa tactaaagac tgggtagcta aaaactcagt tggatgcccc ccaggcctga   180

tgggcctagc aaattttttt tttatgatac aaaccagcgg acgatccagg gtcattggtc   240

tcattcacag gcgggtttgg gaccaaagcc gctccagcca atgatccagg gccatcggtc   300

tcattcacag ggtgggtggg gctcaaagct gcccaagcat atggcaaaag cttggaaggc   360

caaaagggg   369

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<223>   Clone ID: jC-gmfl02220104d10a1

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cagtatatcg gttgcttaat ttggctatat actgattgta tagaaatgag tcaactgggc   120

cggatggggt gtgcgagaac acggaaaatt atacggggt aatcggggga aattttagt   180

aacggcaaaa tgtaacgtga ccaggggccg gagaatacgc aggtaaaggg taaattagct   240

gcgcaaggtg gggattttgc tacgcgaggt aacgggttaa tggctggtag gtggggttaa   300

ccgacggcca ggcacgcatg gctgggtagt tgcctgccga cagccgctag cgcagaaagg   360

gcacccataa agcggcggat aaccgggaag cccccgcgat cacatgccac tgcccttag   420

acgtagcggg gctaaggcca ggccgctggg c   451

<210>   9721
<211>   304
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104d10d1

4425

<400>   9721

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atatgcacac acatatgtac atgctaatga ataagggct ttcttcccag gatcttatat   120

ttccctttgg aaacacattg atcttattcc taattactac aatgacaagt atgaccacat   180

cctactaata tataccctaa caccacatac acatgtgacc atcatcatct tggaagcatc   240

tctggcacaa tatctgggcc actaaaggga ggtgaatttg gttcatggcg gttttcgggt   300

cttt   304

<210>   9722
<211>   554
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104d11a1

<400>   9722

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gtcaggtgca gtctggggat ctcacaaacc cccattattt gtgaacttga acgaggttgt   120

aagcattcag actcgataac gattcgcacc caaaccgcaa aacaatttga gggacccacg   180

ctaagacaca attgcacagt tcagctcaat aagtacgtca accactggac acttgggatg   240

gcagagggac gaaactctat gtatgtgaat cctcgattgg ggctagcagc ccgtagtcac   300

aaaagcccaa tactcctgga acttaggacc gcgacctctt gggtacaccg ccaagtggtg   360

acggtggttg agggcatttc aaattcagtc agtgacttag cactaccggc aacacactgt   420

gaataccttg gccaacattc atgtatcgag cgcctaaaag atccgcagca tggcgcctga   480

acccggcaaa ccttaattga cagtccagag actggcgggg gatctcaaag tgagggtacg   540

acactcgagc agcg   554

<210>   9723
<211>   514
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220104d12a1

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caaggtgtaa ccagtgtcag aaagcctaat tatgcttgcg ggtagtaggc ggactacaaa   180

gcataggttg agagagcaac tgcaacggcc acgactgctg aaaacccacc aggtgctgta   240

ctgctagtaa gggagttggt agctgctgtg tcagaggcgg taccattggc tagccatgat   300

gactctgagc gatggcaaag tacgacatac cgggaagcaa tggcgccgcg tacgcgagcg   360

gatactgccg tagatttcag ggagcggctg atagcatggt tcgaagcagc agccgagtaa   420

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attggctgtt tccagtatcg tagtataggg gcag   514

<210>   9724
<211>   440
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104d12d1

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ggtacattat agacagcagc aaatctactc ttgccgccaa atcatggaaa taaagaaaaa   120

gaaatacagc ttttcaaatg taatcaagaa cgaacaaggt taanagtngn gnnnnatttt   180

tttttttatt tttnnnnnnt tntttatatt tnntatatat aaaaaattta atttaaattt   240

attttatttta tttanaaatt ttttttttatt ttatcctgga gccaggtaag tacaggggat   300

taaggagagt ctttatgtaa agctcatgca cctcttggaa gaagctcttg ataccatcat   360

cattacggga gtcatgtagc aacataaatc gggtatgacc agctgtaaca tacactgaca   420

ccacaagttc attaaacctg   440

<210>   9725
<211>   540
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e01d1

4427

<400>   9725

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gctatgagca taaacgggag aataggaaat tagctaggag cttctagcag gacaggaaaa   180

atgaaaaaaa aaccaacagg aggttaaatt aaagcatgat accttacctc cgggaaagac   240

accaatacca ggcaaaagct ttgtgatcgt gagcccgaag gtaaccatat cctgaaccct   300

gctgccacgg cagcgtggct ttggttaacg cggaaattag ccattgttgt taatggtgac   360

gctgcttagc ggatggcaaa tcgttaagag cagtggtttt ggctgcttag tagagtggtc   420

ggtttatagc cccaagggga cagggttaaa ctagcgagtg ggatagctac ccctaaactt   480

actggtgctg cagccactat ctaagcggcg attgccagtt gtgccgcagc tggtgaaggt   540

<210>   9726
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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e02d1

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ggggggggggg ggggggggggg ggggggggggg gggccagagc aactgtggat gtgagggagg   120

atatatatat aaaatgtggt aagcaaccaa agagacttgt ggcccacagg gtaggtaaaa   180

tatagtagtg actatggtat atccagctaa atagccttgt cacttcaagg ttcactggat   240

cgatttcgct agctcatcgt agacctgtgg tgagacgcgt attgaaaggt aaggtatgcc   300

ttcgtcgggg ataatcgtct catgcccaaa atttgcctcg ggtttaatgg aagtcttggc   360

taccatagtt tttgggtctt actggctcga agactgaaga cctttctatt cggtctttgg   420

tttaatacgg ctgtacttgc aagccttaag cccatttctt tgcgagtcct ctaggaaatc   480

<210>   9727
<211>   371
<212>   DNA
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<223>   Clone ID: jC-gmfl02220104e04d1

4428

<400> 9727

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tttacaagac aaataatgac gcgatgaaca tttacaatga gtgtgactta gcagctgtac 180

aaactatgtc ttcaatgcca atgtccaaaa ggagaaagga atgaaaggcg acggtgaacc 240

attcaattaa tcatcaaact tcgaatacaa atcagcaagt gcacgataga gaatggcagc 300

ggcaggtggc ctaggcaacg agccaaaaag tatatctgtt gcagttatag actggctgcc 360

atagaaacgg g 371

<210>   9728
<211>   510
<212>   DNA
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<223>   Clone ID: jC-gmf102220104e05a1

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ccagtgaaat acccgcggag tcgcttgtgc gtagatagcg cttcacagga gagccatggc 180

ggccaagtgc acggccaacg catagacggg gtaggcgtaa aacgcaaact ggtaaactgt 240

agaacggcag atggctacgt tcagtgttgc gcatgacagt ctacagaagc ccctggcgac 300

cacgagttga ttggacacca actgacaccc acatcagagt caccttggga gtgcaaccta 360

agctgcagag caagggatgt gcataaatgc atgcctagag agcaaccgag ccatgacagc 420

ttttgctctg tagatatgcg tagccgctac tagagtggcc tgctgctgca gtgagagaag 480

tgtcagtcca gtacatgctg agctcaagta 510

<210>   9729
<211>   475
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104e05d1

<400>   9729

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tacattagaa ctgttctaat gtcaaactac cattgaaaat gctgtccaaa gtagcccctt     120

gagaaacggt gcgatggcca caagccttga ctttaactct cagggctcag gtgggaatga     180

agctggttta tcccttatat taacaggact agagcgggtt atcaattta cactcttaac      240

ggccgatata gctccaacga aaacaatgct tatgtacgaa atccttattc gcctgccatt     300

cggattaact gtttcagcag ctgcccccatc cgcttaatgt tgaccatata tgctaccgcc     360

actgctcttt atgcttaatg tccggcctga gctatcatcc gctgatgcag gggtccccag     420

caattgccac agcattgccg ggcaggtctc tttcaaagca caaagcttc cgact          475
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<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220104e06a1

<400>      9730
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gcagtaaacc attgtagtaa ggccaaacaa tggcaattgc tttgagattt agtaaaattt     120

gggcataaag atccccgggc cgttcccgta cttatgcgat gtttcccgaa accatttcga     180

agttgggaga tgccacgtag gcataactaa actaagcacc gttaaggcga gcttagattg     240

caaagtaaag ttcatttagg gggaacaaaa gcccgtaact tgaaccttgg gaatttcagg     300

cgccgtctcc agtatactag caagctgacg cggggttctc atttagttat tctagccgcc     360

actaaacagc cataggccac cagcgacagg cctccgacaa caaaacagac accaagccat     420

gagggagaga ccaacgaacc aggggcacaa cgccagttaa cttaactatt tcagttaggt     480

cctgctagat atccgtagcg cccacgcttt ccaggaggag cttcgggtgg gcaaacccaa     540

aaatcccgga catagagctc gacggcccaa gacgaagagg tactagccgt gtaacagact     600

tggcattgga gaccagc                                                    617
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<211>      395
<212>      DNA
<213>      Glycine max
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4430

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ttatttgnac taatttctag ctgactattt tttagtttcg acgtgcagat ttcatgctcc   180

atgcttttag gtattccacg gtgatatgct cagtaccgtt attgaacaca aacaaatgag   240

ctttttctt tattgctagg gtaggataaa ccctagacaa gatgtttgtt cttccttcgg   300

ctccaaaact ctccactact gagtgatcaa tcaaactctt gagagagagc tttttatttt   360

tggctaaatc cacattcaca aagcctgcaa atgat   395

<210>   9732
<211>   568
<212>   DNA
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<400>   9732

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cttaagattg ctagaagttg cgtcgagaat gttcgaggcc ggaagagggt gttgatagag   120

gtatagataa aacggttggg gccgagacct ttagttgggg ttggtattac ggcacaatat   180

cgcagcaaac tcccaacagc atcagcgagg tagcaagagt gaataggtca actctgcagt   240

agatagatgg ggcagaatta gatgtcgtag caaatgcacg agatgagtta aatgcaagtg   300

acactgtttt aaataaaatg ttaaatagct gtgaacgccg aacacgaggt ccacaaggct   360

ggattgctaa gggctagcgg agattttcgg ctatgagttc aggtttatag ggctgttaat   420

aggttgggag aaagcgctga attagagctt ttggctagtc ggtccctagc gatgtaggtg   480

gccatggtgt aaaccctag gtggcatacg atatagaagc agcagctgca tcggcagctg   540

gcagacatat ataactgagg aaaaaggt   568

<210>   9733
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<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e07d1

<400>   9733

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attacatacc atgtaatata atatatcaaa gtactattgt aaatatttct ttggctcgga   120

tttcggatga tcagggttgc tgttc   145

<210>   9734
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<223>   Clone ID: jC-gmfl02220104e08a1

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cttaggccta atggtccaag attgtaagat ccgccgacta gcctacccaa tcgttgggat   300

ttgaaccaga ataaaaaacc ggctaaacac gggcagcatg gcccagggt tggtaaagta   360

gttttttccgc tgtggtttat taggcggtga tgtcagtctc caacggctgg tgggctgggc   420

aaccgtgcca agctttacaa gctgccgctg gtgctgcggt ggcggcttca gcagcggcaa   480

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ataggat   547

<210>   9735
<211>   317
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e08d1

<400>   9735

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4432

aattagggct acaagaggaa accattcact taatcaaaca aagggatgaa ccaatcctca 120

ttttttattt cccctcctgc cattgacctc aaaacgttaa aaggggggct gaagcgttgt 180

atacgggggt tcgaccaaac cccccaaatg aaccgagttc tggtactgcc aaagccgggg 240

ataggtgcta ccttccaaaa gacacaaacc gagaggaacc ggaagccgtt gtccccaggt 300

cacaaaactc tcaaatt 317

<210>   9736
<211>   603
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e09a1

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tcatcaactt aaacttaaac ctaatctact tggtgttgtt ccccatgagt tgcttcttag 120

ttattatggt gttcagctta gtctttgcct gtttgttaat tagcgttgtg aggttaattc 180

agttcttcta gatcttgttt gtaaaaatga tctacagcta ggactccagc ttaaaaacat 240

acggcaatgt aactttcatg ccgttaaccc ggatacttcg tgtccgcttc tctagtggcc 300

ttgggtttaa gatcagcagc tgaggggcct ggataaaacc ccgtgtcaaa gtcatttgta 360

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ttcgtgcatt ctacatttta ttatgaccct ggattgctaa tacttgcagg gtcgcaacag 540

cagctagcag agttacacac agttgaagaa ttgtaatggc taatggcacc attacacaag 600

tag 603

<210>   9737
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<212>   DNA
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<223>   Clone ID: jC-gmfl02220104e09d1

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cctactttta atatatatat ttactttgtt ttatttaatt attaattaac taatacacat 180

taaaaagaag attgatttta agtttgaggt agagtaggtg atgaggagga tcagaaggaa 240

gaagccttgg cgagtgactt gatggtaaca tcgggaccca gaacaactgg tttaaaatcg 300

aacgtaaacg tgtcgtaacg caggaagaat tccaccaagt agagcctgca catgagcacc 360

accagattct tggcgggaca ctgtttatca tccggtgtgg gctcctccgt ctggggtccc 420

gtggaccaca agacgtgtct caagagcttt tccccgtc 458

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<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e10a1

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gctgctgctg ctgctgctag taatgttgga ggtggtagat agcgttatgc gcctgcggat 180

attaagcctg taagtgtagt ctagcaaaaa cctgttggta aagtgccccc agcagttggg 240

aaaaagcgta cggagctact cgtactaaat gaagccgcta tgtacgcggc tgccgccgtg 300

ggtaaagcgt aaaaggggca cgaaagtgaa ccgggtgtcc caaagccatc ctttgcaaac 360

gacccggcgc tacgtggtgc gataaggatt gcggcctaag ccgccaacta ggcataaagt 420

aacgagcact acgctttaaa gtgtacctgt actaaagcca acctgacgtg taactgggct 480

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aaccctcgcg gacaggagtt gcgtg 565

<210>   9739
<211>   424
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e10d1

<400>   9739

4434

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gagaaataaa ctactacaga aactggagat ggagatagca ccggcaactt aaaatcacat 180

tttgcccagg gcacaagatt actccgtcaa tgcttcaaaa aacattctcc cacaaacccg 240

ataaataatc ttgtatgttt tcatccgcat cctggtgaga caggataatc taacacgccc 300

ttccatcttc ctatctttga gaagggtaca cagcaccagt tgccctggtc tgctgtttag 360

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ttga   424

<210>   9740
<211>   516
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e11a1

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gtgggggcca aggggttaca gatttgtagg gagccataga agtatgcatt gtcttagcgg 240

taggatgttc tgagccaggc tccggagtcg tcctcgtcgt cgccctgccc tcgccaactt 300

taaagccctt gggtatttta aacatctgtg gtgtaacggg tctgtgttgt ctttgtttaa 360

gttttaaaat catattctgg ggattgatgt tcgtattacg gatggtctct cgcacaaaca 420

tgtcacgccc acgttgcgcc gcatgcaaca tcagggctgc tagtgcgcca acggccggca 480

acaaaaacat ccagcctccc tagccaggta cagcag   516

<210>   9741
<211>   501
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104e11d1

<400>   9741

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accatatctt gttcactgta tttctcagaa tcaaacggta gaaaaagaag agggcagaga  240

gagctaacag taaaaaaaac atgaactaaa agaaaacct gaatattgat gttattcctg  300

cagcatgaca atctttttt aatgacataa agatacaatg tagctatttc cagttaaaag  360

ccgcctcata gatcaaacaa atggagaaag aataatacca ttcttcttga accatggctg  420

ccaactagat ccagaataaa catttgcccc aaagcaagaa gtgacatctc aatttctaat  480

tctactgcca gagggaattg g                                            501


<210>        9742
<211>        425
<212>        DNA
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<223>        Clone ID: jC-gmfl02220104e12a1

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ctgtaagagc ttaaccaaag ggccaataga caacacgctt ctcgcttaga agggtgctgc  180

cagcgcgcgt gtggctatgt aacggatgcg agagactatt aatacaagca gaacgaaaaa  240

caacgcaaga agaaaaagca aaaagaaggg tgcaaaacac aaacgcaacc acaggggact  300

gggtgagaag aggcactggc gtagagaaca gggtactgcg aggtggagag gaaggctggg  360

tgtaattagt gctggtgcat acagacactg ggtgagagct aaagaaagtg agacgggtag  420

aggtg                                                              425


<210>        9743
<211>        484
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmfl02220104e12d1

<400>        9743
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4436

ctagaacatg attttattca actgaaccat aatatgtacc acattagttc attacaaaga 60

tgaaaaaata atactcaaat ttggaaggcc gagtaaattg acattaatta aaaaacagaa 120

tatgaaacta tagatttatt tgcttataga aagctctatc tgtcacaacc taatttgttt 180

ccatctcttt tatctttaat tatatctcaa tatttttcag acgtggtcta tatccatgac 240

tcccttgctc gtgttgaggt tcggtgttac ctgacttact ttctcaccta taattattca 300

catacttaat acttatcatt ctgttggtgc tatatacagt aacttgagtg caagagacac 360

acatccagca gaaattatgg cacgcggcac tcttctatgt tccaaatttc cttggcatat 420

tgagcaattg tccggtcact gctgaatttt ccactccctg cagtgcttag gatggacatt 480

ttta   484

<210>   9744
<211>   493
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104f01d1

<400>   9744

agacaccttg gctttttttg tgcacctgta gatgtgtagg agtgccgccg tgcttggggg 60

ggggggggg ggggggggca cgacaaccaa cgtcgtggag gtgcgagtgg ggattagacc 120

gactagatat aatacaagac aagcaacgtg aggaggtgcg agtggggatt aacggcggca 180

gtagcgggat taaaccaaca cggtttgggc ttagaagtgt gatttgacag cgaggacaac 240

tagaacaaaa gacacacacg ttaaaaaaga acactgtagc aacaaatacg tggcagcaga 300

acaagttagc ttacgaagca ccggttacag taaaaaatct agtaaaaaag tgtgggcgct 360

tgccgaaagt aactggcacg aacagcgtta gattagaata caacaatgtt tgggcgtctt 420

gttgggccag accttagaaa gtgggttata tggcgctaca gagggtagtg ttgcaaaaat 480

tgtgagtaca att   493

<210>   9745
<211>   588
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104f02d1

4437

<400>   9745

actagcgtcg ctcgtgtatt taccgtcgtg catgtgtagc agtgccgcct gcattggggg   60

ggggggggg gggaaacgta taaactgcgt aggagtagga aagattggag gagcggtagt   120

atggtgcgta gaataggagt aaacgggtac aggtgttcga aggtagagtt ttgagtagtg   180

ctttatatta taaatggttg tgtgattagg gaaaaaccag ctatattgta cggagtaacc   240

actagtatgc agcagccagt aagttaaagg agggagtaat aaagcaacag gtgctaacag   300

taagcctatc actaacactg ctactgggcg gtgtctatgt gtgggcggta gtactaccag   360

tatgcgtact tataaggttt ctgttacttg ccacagccct aatttaggtg tgctcggacg   420

gtggagttgg cgaccacgat aggcacgtag aatcactagg gcgacccaaa atgagccgtt   480

gtacactaac cctgagcgtt agagtcttag gcaagcagag attgctaaag tttttatgag   540

accctttatg gtggctcatg gttaatgtag taagtaatgc tagcctgg   588

<210>   9746
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104f03d1

<400>   9746

caaagtgaag attttatctt aaaatgttat gtacattaga gtatcataaa gaaagctagg   60

ccaataaatt caagttgtta aagcagacgt ggataaatca aagactgaaa ccaacacaac   120

tagtaatcaa catttggagt tcattttgtc gttctggatg gggttgtccg actccaaaaa   180

tttgccccag atggggtgtt tctgccaaac catactcatt tcctcaagtg ggatgccctt   240

tgtctcaggc aataacttcg cgatgaataa ggtcatgatc accacaaagc acccaaagaa   300

gatgaacaaa ccaaacttta tgtgacagag cattgatgtg aaaaattgag ctatgaagaa   360

agtgctgatc atgttgacac caactgtgat actctgagca gcaggtctaa tcttcagggg   420

aaagatttca cttggtatca accagcctag aggaccccat gaccaagcaa aacctgaaac   480

atacacacag atgatccc   498

<210>   9747
<211>   361
<212>   DNA

<213> Glycine max

<223> Clone ID: jC-gmfl02220104f04d1

<400> 9747

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agacgattca atataaatta ataacattta ttccagtcaa gccaaattta caaagtaaac   60

aataccattt gaatatacat agataatggc atttattaca ctcagatcaa atttacaata  120

tatgtataga taaagtggtg atgattaacc aaattcataa gaccggtctc aagtaccttg  180

taacccaact ccatgccatg ctccattctg gaaacgataa gattttagat tattcctctt  240

acgcttttgt tccccttgac ctagctgaac tacactctcc atgcagatgc agttatcttt  300

tgttttgtat atatgcatat acgtcttcta gagcttttct ctttttcgct tttatacaac  360

a                                                                  361
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<210> 9748
<211> 606
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104f05a1

<400> 9748

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aatacttgat ctatcgctac catgtgccag atactgtgca tgacagtgca cgcgatgatg   60

aagcctcccc aactaagtta aacttacaaa cttccaccgc ggtcccaacc ctaaccgtat  120

tttgatgtac agtctgggta gtcgtcattc agattgtgct cataataatg gtgtggttat  180

gtcagttatt ggtacaaatc aacttgtggt ttgtagtgtt taggtattta ggtagcacct  240

attaaacatg ggcggcatag gcccccacag ctgccagcac gagagtgctg gcaaccacta  300

caaacgcagc ggccagtacc aatccctgcg gcgacaataa cacaacaatt cccggtacag  360

ctgcggctaa cctagctaga agcgaagcat gctggataag ctgacgccaa agtgtttgct  420

attactattg ctgcggaaag tgctacggcg actacggttg aaattaatag ggccggataa  480

agtgtaatta cctaagttga tggtgcgcta aaagaaagta aagctattcg taggcttgta  540

agtgactaag gtagatctgc accgccaaat ggtgtaatat taatatgcaa cgagtgcata  600

caaaca                                                            606
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<210> 9749

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<211>        317
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmf102220104f05d1

<400>        9749

tttgtcgttc ttttttttt  tttttttttt  tttttattta  tctttttatt  tttcattaaa   60

taattttttt ttatattatg  catttgtatg  tttttgaatt  tccactatat  gaggcccaca   120

ttaatgaaag cacactgaat  cgtaacagct  gggagacata  aaacaacaac  agacacagca   180

gaaggagaga gcgccggccc  tttcatgccc  aataaaccca  cggcacaaga  aaactccgtc   240

aatgatacaa aaaaaggggg  ggggaaaccc  caaaaaaaaa  tttgcaaggg  gccaccccca   300

acccggggag acagggt                                                     317


<210>        9750
<211>        575
<212>        DNA
<213>        Glycine max

<223>        Clone ID: jC-gmf102220104f06a1

<400>        9750

actacgtcga tctgtcgcta  ggaatgtgcc  agagtaccgt  gcaccacaca  tggtaacgca   60

cccgcacacg ctgtaaagtg  acacacacta  tgacgatgtg  aaaacgtgag  gagaggtggt   120

aaaagagcat tagctagtct  cacgtggccc  tggggcgtgg  tcctcggagc  cctaatagta   180

gtgctgggcc acgcggttgg  ctgttaggct  taattgggga  ttaaagtgat  aacaacaaag   240

ttatgcaacc gggttacgta  tggttggagc  ggcggctatg  cggtacgcta  agctgggcca   300

gggatgagct gggtcgcaaa  acccaaatgc  tttgttggtg  taggattagg  aatatagggc   360

caagccggcg ccacgtaagg  gattgggtga  gtggttgaag  ggagctttta  accaacttaa   420

cctggataat tagcaactgg  tggtgtggat  gcaacgcggg  ccaggtccgc  ttagctggtg   480

agtaatgtgc gattgcgtaa  acccactaga  ctcgtggctg  agtagaccag  ccagggcttg   540

gcagggtaat agtacgcgtg  ggctgctatt  gtgtg                               575


<210>        9751
<211>        522
<212>        DNA
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4440

<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104f06d1

<400>   9751

actaaaataa ttaattttca ttactcgaac attaattacg tatacaaggg aaaagtgaat   60

taaaatgagt ttgactgggg gatacactga gaaaagagaa tatactacgt tacacgtagt   120

agtacaatat gagagtgata tgggccaaat tagagaggct aattnttgcg cccaacagat   180

acagcttcct gatcagagca atttaatatt tacctttttc tttttattta cgtatcactt   240

ataccaaaga ctacgtacta ttcttgcatt gtagatatga gcgatattag atgtgacctc   300

actcagtaaa gtaattgaac gtttaattag gttattttct tttttaact tttcttgtca   360

ttgatccctt gtttctccac attcatataa tctcaatgac gaaatcatat cagactttgc   420

caacagcacc accgtgattc ggttccattg ttcctatctt cacaacgtca atgatgtgcc   480

cattcaattc ttgagccttc actgggctct ctagtgccac tg   522

<210>   9752
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104f07a1

<400>   9752

atcacgtcga tctatggcta ggaatgtacc agagtgccgt gcatttgtgt ggaatgtgtg   60

atggttttga gtataatgtt ggtatggttt gaaggtttta tatataggtg gcgggtgtgc   120

agcatttata atatagttcg ggtacgtaat aatagaatga aggaaccggt aggttatgtg   180

taaatctgga agcttttgt ggctagtgat ctaggtggaa ggggactggg catggctggg   240

ctggactgga cggaagggtt cacgcacaca accccgaat cctgatcggt ttttctaggc   300

aaaggccgga tggcatgact cggagacgaa gtagtgcggg gcgtaaattg ggtatatgca   360

tgtaatatgt gatttggagg ggcgtggggt gcagggtttg actaggctaa cggagctcgc   420

gaacagaaca cgacgaacct taaccttacg caaacgtact acgcgttgtg gctaattgga   480

atagaacaag caagtgctac ataaatatgg caaacgctgt caaagtcagt cagtacac   538

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<210>      9753
<211>      516
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220104f07d1

<400>      9753

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt      60

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt     120

tttttttaaaa aaaaggggggg gggggaaaca tttggaaccc ccccctaaaaa aggaggggtt     180

ctcccccacc cccgggggaaa ggcccctcc cccccccaa tnaaagtgtg ttggggggggg     240

nnnnccccc ccaaaaattt ccccaaaaaa aaaaaagggg gcccaaaaat ggggtttttt     300

aaaaaaaaaa aaaccccgg gggggggaac cccttttcccc ccaaaaaaaa aaaaaaaaaa     360

aacccccccc cccaaaaatt ttaaaacccc ccacggggggg ggggccccccc cggggggggcg     420

aaaaaagccc tccccccctt ttgggaaaaa aaaaagagcc cccccccaca ggggggaaaaa     480

aattttctcc cacacaaaaa gggtctcccc caattt                                 516


<210>      9754
<211>      471
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220104f08d1

<400>      9754

aatcaagttg ataatcaatt gttaaaggtc tttgcagtat acaaagtgaa gatttcatct      60

taaaatgtta tgtacattag agtatcataa agaaagctag gccaataaat tcaagttgtt     120

aaagcagacg tggataaatc aaagactgaa accaacacaa ctagtaatca acatttggag     180

ttcattttgt cgttttggat ggggttgtcc gactccaaaa atttgcccca gatggggtgt     240

ttctgccaaa ccatactcat ttcctcaagt gggatgccct ttgtctcagg caataacttg     300

tagatgaata aggtcatgat caccacaaag cacccaaaga agatgaacaa accaaacttc     360

atgtgacaga gcattgatgt gaagaattga gctatgaaga aagtgctgat catgttgaca     420

ccaactgtga tactctgagc agcaggtcta atcccagggg aaagatttca c             471
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4442

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<210>    9755
<211>    512
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220104f09a1

<400>    9755

agacagcgtc gatctatcgc tagccaatgt accagagtac cgtacacaga caaggcaagg    60

ccgggctagg cgccttgcgc agccgggtgt caaggggccc attgtctgcg aagcgggcct   120

gggaggcgcc atggcgggtg gggtgctggt ttataaggaa gaggaattca gacggccgca   180

aacggcacac atgaaaaaaa aaaaaaaaaa aaaaaaaaac cctccttctt catgacgcac   240

tgtcgtcatt tcccaaggaa ggttccattc cgattgctac ctcgattact gggtttgaga   300

cgcacgtcga ggacactggc ctcgaagtag ccgtagactg cgggttgcgc gcaaaggcgg   360

agttctgtat aaggttatat aatagatcac ttccaactag aaacgcgaaa cttgccccgc   420

ttgaagcacg cactgaatgt ataggaaggc tcggctctgt atgcattctg ggttacgtcc   480

caaattgcgt cgcttactgc taggaagcaa gt                                 512


<210>    9756
<211>    392
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220104f09d1

<400>    9756

tttgtttttt tttttttttt tttttttttt ttttttttttt tttttttttt tttttttttt    60

tggttagcta aggaagtgtg tcgccccaaa taaaacgcct ccaataaacg ttaggattcc   120

cgtggggtcc ccaaaattta gaaaacggga cacgcgcgga aagcaaaccc ttttagtttt   180

tttttgtgcc ggatttcttg ctaaccctcc cgtaacggct tcccagcctt tctcctgttt   240

gggcacctgg acacacccga gtgccccgct tactttgagg ttaagctggg gctaacaccc   300

tttggggggcc cttgatgggc ccttggcccc ttcggggttt ctggggaaga acgacaacta   360

ttggggcccc caagggaacc cttttccacc tt                                 392


<210>    9757
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4443

<211>   491
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104f10a1

<400>   9757

acactaggag ctagctgtcg atctatcgct acgaatgtac caagtgccgt gcactgatgc   60

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ataagcctac gcattgaaaa gttttgttca acaaatttca ggttcgagtt atttttacgt   180

tgattctctc tcctcgtaaa caccagggtg ttcactgtat taaagttggg gtttcttact   240

gtgcccctcg tcttgttggt tgtcttttct tctttcagtt ttgagtgcaa aagtttcgtc   300

ttcagtttaa gtttaggttt attcatcaac aacaacaaca tcgaaggcta ccgagttcaa   360

atcagggtct ccacaggacg cgtaacggta acaatcccag tggtaaaagt gttccgaaga   420

acatccgagt tcaaggtatt aacagtctgg ttacgggttg gtactggccc agttcacacc   480

atatcagtgt c   491

<210>   9758
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104f10d1

<400>   9758

acggtgcaat aaataaccat acatagcaca atgcccagtg gagactggtt ttatttacag   60

aaacacattc ttcagaatgt caatcgtaga gtacagacta tatgcagata ttcacaaaat   120

ataagagaat cataataata aaaaaactta cctctaggac atattccaag gcattatcat   180

attacatcaa tatcatcaac attaagccaa tcattggaat ccttggtcac agaattacga   240

gcacttgaat gctgggagcc aacatgtttg ccttcaacag agtttatatc cttatcagag   300

ttaggcgaac ttctacctaa ctgaacccaa tctcgagagt cttttgttga agaatcagag   360

cctgatctag tttttttata actttcatgt acatcaccat catcctcctc aagatcactg   420

gatgacacat cctcgtcat   439

<210>   9759

4444

<211> 570
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104f11a1

<400> 9759

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ataataggac tagcgtcgat ctatcgctac gaatgtacca gagtcctgtc acgctcggtt    60

cacgggcttt atctaaatcg agtcacttac ttgtgtaact gacccggtgg tattctctgt   120

taattggtgg tgtgtgtttg gtcgttttgt taaggccaag cgcaggcgca tggtatagct   180

gccgactgca taggggcaaa ggcgaatgcg ccgcccacta agaggagaga ggggctcata   240

gtagccacag atacatggcg cctaccttca ggcatgttgg ctgacacaaa cgctgggcga   300

gcaagaggtg tgtcgtgcag gatggtaacc actgtgagtc aggcaaaatc gagtatcaac   360

ggaggcagca acagtgataa gtaacggcag tatcgccact tagccagcat ccncaaggcg   420

tcgccgttgg taatgctagg tgcgtggtgc gataaacggg ggatgagcaa ctgtattcgt   480

aactaaagct agccctgcgg aaaatattgt caggtgctgg atagaacact ccngcccagg   540

gtgtgagtgc acaagccgct gcagttaaac                                     570
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<210> 9760
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104f11d1

<400> 9760

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aaaccatcaa tgtaaaacat gatagttcag gaatgatctt tagtctaaaa cttgcgatta    60

caaagcatga aattcaatgc accaggaata agttttagta tacattatct ataaatgtta   120

atgatagcat tcaccaatct aaacatctgg caacaaaagg gctantccca atatttntnt   180

ccattaaatc cattccantt ttcttccatc tctttcatct aacanttcnt nttctcccnn   240

nnnnaannnn nnnnnnaaaa acctatttac ctccactatc ctttctagga attctttcca   300

tgttggcatc tcctttatta tcccctaaat caccatacat gtctttaagt tgagctagat   360

tactcgaagc agaagttctc ttactctcct ctctctgagg actagaacgt gattcatact   420
```

gagcagtgcc agcttgcagg cttcgacttc tacttcgact cctgctccta cgatagtgct   480

tactac   486

<210>   9761
<211>   425
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104f12a1

<400>   9761

atactaggac tagctgtcga tgtatcgcta ggaatgtagc caagtgcctg tacacccagg   60

gcgggcagag ttgatcaggg caagcatccg ctgcgtccgg tttgggcggg ggtagccggg   120

tactgggaac agacattcga aaacttggtg tgactagcac gggggagggg tataacggcg   180

gaaaccacaa taggacgtgg atgcgaagta gatgagtttg gccaaggggc ttcgattaaa   240

aaaaaaaga aaagaaaaaa aaaaaaaaaa aaaaaaaaa aaaaaaaaaa aaaaaaaaaa   300

aaaaaaaacc ctccttcttg atgacgcact gtcgtcattt cccaaggaag gttccattcc   360

gattgcaagc tcgattactg ggtttgagac gcacgtcgag gacactggcc tcgaagtagc   420

cgtag   425

<210>   9762
<211>   180
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104f12d1

<400>   9762

ggggccggga aaattccaag gggttgtttg attaccggaa gactaatggt ctcctttaac   60

aacctgggaa aaaaaaaacc catgctagag aagcgtttta cgggctattt taaagctgaa   120

accctgaaaa acaaagggaa ccccccgccc ccccattaaa aagggggtgg gatgcaaatc   180

<210>   9763
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g01d1

4446

<400> 9763

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tagttggcag gaacttagcc gtcgtacatg tgagcagtgc cgcctgcttg ggggggggg    60

ggggggggg ggggaccaaa aaaaaagtcg gtgtaggggat gatgcaagag gcagactgca    120

ggtagtaggc ggaacgcatg cccgaaaaac aagatcctag atgaatatag agagaacaaa    180

gaataagagc catggtgatc attagttgtg atggaggtgc atatcccgga tgtaatgaac    240

tgcagagtgg caaggcccat gaagccagcg cacttagtag agagtggccg cattgcatgg    300

gctgctagag tggagactag gcagcacggt atggaggccg tggtataaag ttgaggggat    360

gttacatgca ctgcggaagc aagcccg                                       387
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<210>   9764
<211>   578
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g02d1

<400>   9764

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gaatgacgtg gagaggggtt tgccgtcctg gatgtgtgga gtgccgccgt gcttggggggg    60

ggggggggg ggggggggg gggggggggg gggttatggg gtaggaatca actaaatgta      120

tgttgataac taataaaggc ccataacaag gatacgcggg gtcaaatata gaaaagagtt    180

gcggatatta aaactattga aatattcagg gataatatga aaggaaagag ccaaaagaaa    240

aaacgaagtg aactgggtgg accacagggc cgacttggcc agccacaggg accggttggc    300

caactttgtg tacgtggtgg acctaataaa atacccggca gcgggccaac tatcttatta    360

gcgctaaggc gtatgttact aactaagggt tttaatgtgg tagtcggttg aatgcttaaa    420

actatcgcgt gcccaagaag ttgcggtggt ggcggcgtat cgctcctagg tttacttaat    480

gtaactattg tcctactgac cgaggtcaca atgctactta aggagatccc actattgcga    540

ttcatatctg cactcgattg gttgggtggt aaagaatc                            578
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<210>   9765
<211>   504
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g03d1

4447

<400> 9765

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catcaatcaa attgtatata tttggtgttt tgttaagcat tttctagcca aaatccaacc    60

aaatgaagaa atttgaggaa caatttgcaa tgatctaatt gaattcaaat aaattttggt   120

aataaaagcc aaagttgtga aagtacaaaa tcaaatatca cagccattgc actaatcaag   180

tttcatactc atacaccaat ttttttggga atgattgtta ctcttccata gcatctcctt   240

caatcacttc caccttctcc ttcaacggtg taatctttgt taagaggacc tctgtctttt   300

tggggaaatc aaagcctttt ggattgacat aggtacgagg atttggtaga aggtggttcc   360

tgagatattc cttatgtccc ttggttatca cacaaacatc aacattactt ccacttccta   420

ggtcattaaa tataccagca catatcgcct caacaactag cttaatgcct tcatccctac   480

tcaaactttc cttgtactta gact                                         504
```

<210>   9766
<211>   284
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g04d1

<400>   9766

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aacaactggt tgggattttt tgggggggcac attctggatt ttgtgccccc agaggaaacc    60

cttcccttgg gggaaaaaaa gggtgaacca aaaaaaatcc cccatttccc cccctgccat   120

tgacccaaaa acgtttaaag gggggaaaaa aaaatggcta cggggggtttt accaagcccc   180

cctaatgaac cgaattttgg gcctgccaaa accggtgaag ggcgccccct tccaaaggac   240

acaaacagag gggccccggg ggccgtgggc aaaaaaccac aaaa                    284
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<210>   9767
<211>   535
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104g05a1

<400>   9767

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atagcgtcga tctgtcgcta gcnaatcgtg ccagagtgcc tgtgcactgg ttgaaacaaa    60

aaaaaaaaaa caaaaaccaa ccacagacca aacccggaag gcaagttaaa aaaaacaaca   120
```

```
caaaaataaa agccctaccc gggccatggc acagactagc ggctgggctt gcagcatagt    180

agccggtccc tcaccatttg datagggatg atatagccaa tcgcattgat cctattaggc    240

ttttaggccc gcgttttaa tacccgagtt gtagtaagcc gtacgggttt ccttttcaaa    300

gtaatgttat tactaataat aatcgccgta gtaagcgtgg taataattgt cagcacttgt    360

gtggcggtat agcctagcgc gcgttaatac accaacaatg tggcctaaca gcctatacgc    420

ccgctttacg ctttgagtct tttagctatt aatgatattg attctgggta ccggaaccca    480

gtaaaggcca atggatggtg atgatttcat tattcctggc taatctctag gcccg         535


<210>    9768
<211>    440
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220104g05d1

<400>    9768

aggggggaact gggcaaaaaa aaaaaaaggg aggggggggcc cccttagccc ccccccccgaa    60

aaaaggaaaa agcccccggc ctttataaat accccccccc ctcaaattta tgagggaaca    120

attttgggcc cccccccggg gggccccttt ttatacccccc aaaaaaaaac tccttcactg    180

gggggggggg gggggttaag gcattccctg gcaaatcccc aaaccaccgg gggccttggg    240

gggggggccc ccccccccag ggcccccttg gggaaaaaaa cccccccccc ccattggggg    300

cccccggaac aatttttttc catctcccccc cccaaagtcc acctcccccc ggggtaaaaa    360

aaccaccaaa atggggcccc ccaatttggg aaccccgggg gggggggcct cccacccaca    420

aaaaaagggg ggggcccccc                                                440


<210>    9769
<211>    535
<212>    DNA
<213>    Glycine max

<223>    unsure at all n locations
<223>    Clone ID: jC-gmfl02220104g06a1

<400>    9769

atagcatcga tctatcgcta ggaatgtgcc agataccgta catgcagtgc tgccgtaagt    60
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acagacgagc aatacacact gtaatacctg gccagaagag tgggtcagta ggcaccacgc    120

catcgtagcc atattctggc aatggcgcca cgcagaagaa ttactaaact atgcccgtaa    180

agatgcctct gcgattatac ccttggcacc acggctggcg tgtgtaaggc acctcattga    240

tgctgcacaa cgtagtgcag aagaggagac tacagctacc gttgtagaag aaacggcacc    300

gtacttaaag ctagacggtg ccaccggtaa cctggcaaag gttacggcaa atgaagctaa    360

ggtaccaacc gccgaagcgc tggttgatag taaggcagaa tatgcctaat aagctgcaga    420

ctacattgcg accaaagccg atgtgctaac tccagcgagt aaatatgtat gtgtanctac    480

ggcacaggta cgggcacaag aagcagctac tgcggctccca gcggcaactg cgcaa        535
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<210>   9770
<211>   327
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g06d1

<400>   9770

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actgaaaaac cgccgaaggc atttcccatt gaaaatatat ctgtccaaca tattaacatg     60

atatactggt aaatcttggc aaccccagta aaagctttca aatagcttct aacctaaaaa    120

tgtaatacag tttgtttcct ccccaacccc cccaaaaaaa aaagaaaaaa aaacttgtca    180

accaaatccg aatccttcat ttgcttcatg aatggcaagc aggaaccttt cttccaaatg    240

ttgtttagat ggatactctg gcaaatctaa ttgattgaaa caggtatgag cagaaggcaa    300

gtgatcagaa ctcccatatg ccttatg                                        327
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<210>   9771
<211>   553
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104g07a1

<400>   9771

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atcacgtcga tctgtcgcta ggaatgtgcc agagtaccgt acatgcancc agtcgtaatc     60

ggacgctggg agggaccgca taaaatgatg tatacacaaa catatgtcca cattggctaa    120

catggtagta agcctgcgta aacgggagag gcgcgatgat gttagcgagc cctagcggca    180
```

```
caaatgacta caacaaagaa acaaacccct ggttgtgcgc caaccgcggc accttaaagg   240

agcctaccga ttgcacatct gctaccagca ccgctgtccg aacagcacgc tattatttaa   300

cagtcagcga ttacgtagga ttttcaagca atgagttcac ctgcagcctg ggcgaggtcc   360

tggtttaata ccgggccaag cagcctgctg tacgggaaac tggggtgaca gctgatgcca   420

cctggagcca cactataata ctggctaact aacttgctgc ctagtggtga tactatgccg   480

gtataacctc ctccataaca catgatactc tgtatgctga gtatgtaatg cctgtagtag   540

cccagcagag gta                                                       553
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<210>      9772
<211>      484
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220104g07d1

<400>      9772

aacacgaaag gacaacacac acaaactttc ctcattcaac aaattgcaac atccactgca    60

acatgtaaca ctcttacaaa gcatttcctt cacgaagatt agaaaagaaa aaaaaaaata   120

cttgcaagct cagaaaaaca aaactcaata tatttcaaga ctaaaaaatc ggtaatgatt   180

ttcaagcaat attgtggtat ggtttaataa taatagtata atctatatat atgaaggcaa   240

acattatgca gcttgcttga gcttctttgt gatgccggca atgtacttgc cttggtggaa   300

tgcttgctgt aactcgagct cacttggctg tcttgagccg tcaccggcat aagttccggc   360

accatatgga cttccacctt tcactttctc catctcgaac atgccagcac caaacgtgta   420

accgattgga atgaatatca tcccatgatg aaccagttga gtgatagcag tgagcgctgt   480

agtc                                                                484
```

```
<210>      9773
<211>      588
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmf102220104g08a1

<400>      9773

atcacatcga tctgtcgcta gcgaatgtgc cagagtcccg tacacgataa gcgtgtgggg    60
```

4451

```
tggttgacgg aaatgctgaa ataaccggat gtgaagtgaa gtttgaaatg agaggttggg   120

ggtaatggtg gtggtggggt acatctaagt aatctaagcc aggccctggg gcgctagaaa   180

attgcgcaga acgccctggc gatcaatagg ccggaggtgc cgtagttcgg aaaactgctg   240

ggctggagga aggagcattt catgccatta gtgtcaggag gagtgattag gctgcactaa   300

caacccagca cacttaagtt taggcaaggc acgtatgggc gccatggtag taaataaaag   360

aaatgttaca tacactgtgg taggaggccc gttaagtacg atggcagtat cgtaaggtag   420

cacaatgccg ggacgctaac cgcgagaaat atagtaaact tgctgccgca accgctgagg   480

cggagataaa tactactgga gagtggccag ctgagcgatc aagcggttag ccgttacta   540

gtgaacctga gcctactgct gcagtacgga atggcctaag gatcctca                 588
```

```
<210>      9774
<211>      348
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220104g08d1

<400>      9774
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agagagatat cttagacctt atctccttta tttatattat agccgatcta agatatgctc    60

gcttgtgaca ggaagagatg gcaagttaaa caggaataag tgaataacat tccatctccc   120

atgcaattag tcgacccctt tggaccgttt ggcccacaca agctctccac agaaaattta   180

acaaagatcg aaagcagatc tatcaactca tctatttcaa aacgtatatc atacataatg   240

gcaggacctg taatgattct accaccaaga tacttagcgg ctaccatgta aacaaaaatc   300

ggagtgaaaa cagaaaaact atccctttgt agagtgcatg ctacagat               348
```

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<210>      9775
<211>      625
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220104g09a1

<400>      9775
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aagtagcgtc gatctgtcgc taggaatgta ccagagtacc gtgcagtgca tcttctccga    60
```

```
acatgttagg tgtgataaat gtaaagtatt aacaagacgg caaaagcccc tgcgtgggta  120

tcaactgcgg tacttcctgt gggctcaaca accacagctc gaggtggagc cgcccgtgtc  180

atcttcttcc gaacattatt aggtgtgata aatgtaactg accacacagt cgtataatta  240

ggtttattag gcccgggaag cggcaaatgc gccaagataa caatagtact ggtatgcgtg  300

cccagcggcc gccttaccat aacagttcgt tgtgcgccac atatgatggt aaaagattt  360

aagcctggag tgggcgccgg cagactaagc attcccagtc gcgccggcaa ctgacccagc  420

actgctatac cagcggcaag caacagcacg gcacacagct cgctggtga cggggggctaa  480

ataactaaca gtggttaaag ctgagcaagc tgctgcaaag aatgcagaac tggccgtggt  540

aggtgtggtc gtactcgtat gccgagagtt acactatagc gcttatagtg ccgcaaacct  600

gngagcaacc ctggcatgcc tgtgt                                        625


<210>      9776
<211>      491
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220104g09d1

<400>      9776

gaaaagttcc aagatccaat catatattag caattcaatg ttaaggttta ggcacctata  60

tacatttctg tttgttacat caaaagaatt ctacaaacaa tgtcacttct ctacaaacct  120

aagatacaca gcttacaatt ttacacactc ctatgtacaa atgtgtgtat ttattattat  180

tattattatt attattacgc atgtacgtag caaatatatc acaggttatc agtcaaatgt  240

ttataccaag gtccatgaac actaactgaa atagtggctg ccacaatcaa aacaccagca  300

gtttccacta ccttatcagt cagaatacca gccccaactt tcatgagagc catttctgct  360

aatttcctcc cacggatccc actttcacca agcacaacgc cgcgcaaagc tgaatagaca  420

gcattaaaca ccctctcgaa aacaacatcc ccagcttgta agctctttcc tagcatacta  480

gcagcaacta c                                                      491


<210>      9777
<211>      565
<212>      DNA
<213>      Glycine max
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4453

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104g10a1

<400>   9777

acactaggac tagctgtcga tctatcgcta ggaatgtggc caagtacctg tgcaccggtt   60

gggattcacc acgtgttgta actgagtatc aacgtactcc agcctgtagg tgtgggaaac   120

attaataaac cgatacgcca tccgggtgta tagaggagcg ggctgatacc atctacattg   180

aagatgtaca atggaacttg ccacgtgcgg ccgcgcaaat gactgaaaca gccactgaga   240

caccggcagc aagatgtgta aatagtacgg gtggtaaggg ccctacggcc acagcggata   300

aataccagaa agtgtatttt acggctgggc agccacccac cactaggacg aaaaatctgc   360

gggtaccaga atttaataaa attgcaggag acactgcggt tggtgctgcg aggggtgtaa   420

ttattaaggc cataacggcc gtggatgcac caatanctgc gataataaga gccacagagg   480

catagtggta tgctaaaggg gagcttctgc aaactgatgt gtgtgccctg gttacatccc   540

gggggagcaa nagacgacgt gcgct   565

<210>   9778
<211>   522
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104g10d1

<400>   9778

gtacatgcat gggaaaataa gttaaattac aaatggcaaa aattggcacg aatttcactc   60

gaccttccag gctcccaact gtcataatta cattgcaaga ccagagaagt atgacacacg   120

accttaatga gatattccat gtattgctct gaaaactcag tagctgaaga tcgttctgaa   180

tttcttccct tgaggcaccg gctggtttct tcaagtataa caattgaagc agagtcatat   240

tgttaaaccc ctgctgcagc ttttgcttga gagcccgact taccctcaga cgattcactc   300

tttcgtatct tcctagtagg tgtcctcatg gtaacaaatt cctcagctgc acttgggtga   360

atgcctacag tggcatcaaa gtcagccttg gtcaagcgag ctttaagagc aactgcaaac.   420

ccctgcacaa tttcaggagc atcttctcca cacatnatgc aacctagaac ttcatttgtt   480

ttgcacagac tactaatttc ataaaaaccc ggtctggaag cc   522

<210>   9779
<211>   451
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g11a1

<400>   9779

gtcacgtcga tctgtctcga tctatcgcta ggaactgtgc aggtgcctgt cacgggcaac   60

caaatgggta acacgacctg gtagctgtaa gtgtcaatgc aatgcttgta acttccaaga   120

agagggccag tataattcgg taacccagag ctgtaaccag tataaagccc agcctgctag   180

agctacagac atccgccagg gcacagacta gtagagggta gcccacaggt agacccaagc   240

atacagtaag taggcgccag ccggggatag gcaaaaccac aaaacgtatg gccctgccag   300

ccggactagc cgtgctgtga gcaataattg acgtaaggca gctaaaagca gctaaccgtg   360

cgagcggtgc gcgtagacga gcagagtcag cctgccagag ctagtgaagc cgtgtctcta   420

gtagtgcatg cccaagcgac actgctatga g   451

<210>   9780
<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g11d1

<400>   9780

caattgctaa catagtgcag cactacattc ccagtcagat gatgcgcgag gaaattagat   60

gcatttctta caatcgatat catactatga caaagaacat acagacctta caacattttg   120

catcaattga ctaggttgtt aatagagcag accatgctaa ccaaccagcc caagtgactt   180

ttttcctttt caatgtaaaa ccaaccacac tgattgatct gtcattccct atgaatctcc   240

cttgaattat gttgctttct caaaaccacc agctatctgc atatgcagcc atcccatttg   300

tgatccttga gcatatccct tggccggttg tgatccaaat attattccgg cttgaggcag   360

ttagttcgag attgagcatg aagcctac   388

<210>   9781
<211>   552
<212>   DNA

<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104g12a1

<400>   9781

acactaggac tagcgtcgat ctatcgctag gaatgtacca ggtacctgtc actgtcattg   60

caagtccgtc accgggaagg atagaagaag aagaataagc cgggtgaggt ctgaaaatgt   120

actcgtatag gtatttctat aataaacgat aatatacgct acccctgtaa ggagccacaa   180

actaaggtaa acatacacac ggtgctggca atagtggtaa tttagggtgg taacggtaaa   240

gggggttgtg taaatttagt aagtgatcca gtgtgtactg gtaggagcgg ggctgcccaa   300

ggtggtctag ccgtaaatac cgccagtaca gcagcatcgc cgcaggcgac tgctagagtc   360

gatgcttagt gctaaactac actcgccccc tgggaaccag atttggttac agcattggtg   420

gcttatacgg tgcaacctgc gaagacacaa aataaagcgc catttgctgc aacggccaca   480

gaggcgtcgc cctatacgat gcctattgcc agtacagaca ccaaggcacg ctacaagcct   540

gcatggggag ct   552

<210>   9782
<211>   389
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h01d1

<400>   9782

atacctgcca ataatttacc ctcctacatg tgtagcacta ccaccttctt gggggggggg   60

gggcggggag ggggcgggtg gggaggtggg agagggaagc aggggggggag actggcgggc   120

atggggggaa gcctgcggag acgggagggg cgcgatgatg ctagctggcc ctatcttttc   180

aaaatgacaa aaaaaattac cacccctgc aagaacacca accccacaa aaaaaatccc   240

ccaaaaataa ccccatctcc aaccacaacc taccatgcac catcactcta tcaaattcct   300

ttcagcgatt accccccctt ttcaagcaat cagaaaaact tcaccccgca ctatatacat   360

gccttcctcc ccatattcaa gcaacccccc   389

<210>   9783
<211>   564
<212>   DNA

4456

<210>   9783
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104h02d1

<400>   9783

caccaactat cggttaatat taattgtggg aagcagaaaa gaaacaagtc cacaataaag   60

ccaaacatta cagcgaggtc ccaaaattcg agaaaccatc acaggccaca aatgcaaacc   120

aattcaattc atttaaattc aaagctgcga agaagtccta tgcataacaa aagcaggaaa   180

caaccccaac tgtctactac tctctgtctt catcactgca ggaggtaagt agatgaagaa   240

gcattcattc aacaatgccg catcatcatc atcatcatca tgtgtaaatg ctcacaattt   300

cggttggaag agcaattaga acaatggcca aagccatcac aatcgcatag gtaacggtac   360

tactgggttg aaccatgctt ccatacgatg cgttttggct ctggggggtc gtagtttgtg   420

agtttgaggt tgcaggtgca gaaggagttg tcttcgaaga atttgatgtg aagatagcag   480

catcagggga acttggagat agacccaaaa gcttaggaca gttggtgatg ctggcgtttt   540

tgacgttcaa acagaaggga gctg   564

<210>   9784
<211>   445
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220104h03d1

<400>   9784

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aggcaaaaga aggaaatatc aataaaatta aaaagaaaaa aaaagaacta caaaatctta   120

taaaccatgt gtccaatcaa agatgtttgc ccagggaaga ttaatgcctg tagaatgctg   180

tattcatttt ctgtatgctt catttccaag ataataactt ctgtaatttc cttatgtatc   240

tctgttgaat attcacaaaa aaaactgttt cgagccaccg actctgaata tgcagaacca   300

tgaacaatga ccacccattc atttatacta acacaagctt taaattaatg tcacagatta   360

tactgtgaac actattacaa tatgtagata tctgaatgaa gtgttgtcaa gtcctctaag   420

gtgtgggatc gaaaatacca acata   445

<210>   9785

4457

<211> 531
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104h04a1

<400> 9785

caaaagatgg caaagcgtga caagggccga tcacgaagtg aaccgaggga aactgtggaa   60

ggcaccgaag ccgaggctgg tcagatggca acgcgcgtga atatgggtgg actagcgacg   120

agcgctgtag cgaacgagtc ggccagtcgc gcattagcca gttagtcaca tggttaatgc   180

caggccaacg ttggcagagg gcgccgaggg acctacggtt gcactgtggt gccagcaagg   240

ctcgctgcgg cagggtgggg cagccggtgg accgtatgga tacctagggc ctgaggtggc   300

ctcagattat cgtggagctc gccgtggggc agcctaagga tgtcgtagcc gagtaattca   360

aagcagatgc gcttaagcag cacagctgta gagcaacaca tacggcagag gtgcaggcag   420

ctgctaggag atctgcacat gcaggatggc accccacgta tgcagaatag aagcggaacg   480

cactgtcttt ttaggcctat gccgcaagcg cttggcgggt ggaagcagca c   531

<210> 9786
<211> 189
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104h04d1

<400> 9786

gttcagctac aaggcagaat ttgaattcat acttcgacaa actgttgcga agacattgtc   60

aacagagact aaaatgatac agatgattaa tacaatacat actaataggc cttgaacagt   120

tcaatgcctg atcccagcat aacttaagtc ctctgtccag cccttggttg tcctgttcat   180

tttctccct   189

<210> 9787
<211> 564
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104h05a1

<400> 9787

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atttggggct gtacaacatg tggtaagtgt gggacctgcg cctagaccct taaaattagg   180

ttgcccttat ttgtgtttgt gggtgggcca tatgctaact ggggggtttc ctaaaagggt   240

attggtatgc atcgcggcgt acaagtttag taaaacgagc cattgaggcg gaactgcgcc   300

ggaccgttga tgtactgcgg ccgcgttcgg atccagttac tatgaaggta acacagctgg   360

agaaacctta accagaacgg cttgggggatt ccaaaacgcg ggtagtggct tgggccccaa   420

gtaacttgtg ggcttttggt tgggcaaaac cgctaaaaca caacccaatg aggcctaaag   480

caaggatagc anacaggcgg caacacgcat cacgcaggtt gagcaccggc tacatggtag   540

aatacagaan agacaaaata gtac   564

<210>   9788
<211>   509
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h05d1

<400>   9788

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caaacttcct gcaagaagtg aaaaagttga taacaacaga aaaaagaaag aggtccacat   120

ccagagaagg ggaaggaaaa cccaaggctg cataggcaaa caatataccc aaagtgctta   180

aaacacccac caaaagatgt gtcaaggcct gaagccaaca ctagggcaat gtttaaaaac   240

tgggaggaaa aataacttga gctaagaaac tcaggttaca tccatcctcc caatgactac   300

aatgagccag aggagagctt cccccattca tcttggaagg agtgtagtga aaattaaaaa   360

gaaaggtgct gatattttc ggtgccgttg acttgagtta aaccaacaat tttatttgca   420

tagtatactt gtgattcttt tctttcactg gtccctttc acaaataata tctgtgagtt   480

aggatgatgc tgatgaagat tattcttca   509

<210>   9789
<211>   581
<212>   DNA
<213>   Glycine max

4459

<400>   9789

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gtagcgtcga tctgtcgcta ggaatgtgcc agagtgccgt acaccgcgat gaacgcgctg    60

gagcagcgag tgacctgttg gggggggggc gttggggcac gctagcagag gtgtgggcaa   120

caagcaaaat gacgcactca ggagagcgcc gacagggcaa ggggctaacc agtgaggaag   180

gaggcagaag gggatggcga agagcagggc gggccagcac accacacaaa agccacacca   240

cagcaaagag ccagaagaag ctaggggtgg ggcggtacgc gaaaaacggg tataaacgta   300

attaagtaaa aagagcaggg ggaaaagaag gagccgaaaa cgtaataaat gagcgggcta   360

agaacagcag aagcgaaaaa ggtgggatag gcggcagcta gagacgaggg agggaaggta   420

aagagcatag gggggacga tataggcggg gtaagctttt tagctgcatg ccggggatgt   480

gtaggngggc ggccctgccc aatacagaag gctaccccag ttacacaagc gcatacacat   540

aggccagcag aatcgggaga cngggcccag ccgaagggcc c                        581
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<210>   9790
<211>   535
<212>   DNA
<213>   Glycine max

<400>   9790

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aaaagcagaa aatttacatc ttcattactg ccataaaagc atatggcgga gattcatgtt    60

tttccatgga cttgttatca tttccttatc catgaacttg ttatatatag aatagaaatt   120

tatctattgt tgttgtttgg tcgcagcaat atggctaaaa tttcagagaa gtgaggacgt   180

tttgaagggg tgttgttcca gcactttgtc ataatgtgtt ttagagtttg ttggcagtct   240

tttgggattt caggtcgaag gccacatgca gcaatgccaa ctgctgcttg tacaggtgaa   300

aatgaagaat aagctgcttc accagttacc atctcccaaa ttaccatccc aaaactataa   360

acgttactca tccatgtctc tgtcacattc tctggatccc ctgcaattat ctgttcccag   420

cccaacaaaa aatgagagta aaaccagtca gcatgggggc attgaaaaca atgtgtacta   480

aaaaaatgtc atatttgaat taaataaata ctatatgcat caacaatgta aaaga          535
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4460

<210> 9791
<211> 625
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104h07a1

<400> 9791

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gcgcaagtat cgggacggtc tgataccggg gaaaaaagcc tgcagctgca ccataggtaa  120

ttgtggcggc ggcagaagcc aatgccaagc cgtaacctcc cggggctacc gcagcatctg  180

ttgaaccttc gcggttttac gaggaggccc tcattatctt agattccgcg aagccggccc  240

agcccgtaca accagctgga tcgcccgcag caactgtaag taaaaacccc gagatgtatt  300

ggcaacgagt tgagacacta gcctagacgt actaatgccc agcagagcca caacagggcc  360

tagtatatag gggataagca ctggtcgcgg cttttgcaac aatatttgcg atggtggatt  420

cacctatttt gtaagtttaa ccttaataca cacaacagca tttagaggag cgggcacatg  480

ngtaagcgct tgcttagcga gcggctaagg taactgcgtg gcgtgtgcga gcttacgcca  540

acaatgtacc gaggcgctgg gcagtgccgc agcccgcact tattacggtt agagagcaac  600

cgagctgtgg ttgtagctaa ggtgt                                         625
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<210> 9792
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104h07d1

<400> 9792

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aatgcaaaca taaaaaccaa ttaagcatat aataaatata aacagaaact gactcaaaaa   60

tccctctggg agaaaagata ctagactatc gttctcctaa ctcgaggcac ctaattcttg  120

gccacaacaa gaaaatcgaa taaaaggaaa aaaatcaaac caatcagaac ctacaaagnt  180

ccaataccat ncnncaatnn cataaaaaaa ccttccttcc aaggggacct aacggagaaa  240

cttataacat actcaactta caaatccatt cattaaacta gatatatcta ttaaaaaccc  300
```

aaagcttcaa atatcaaata agtcaaccaa acttgactga aatatggcac aggactgggt 360

gcatgaagaa cttgatcacc atccagctct tgacccaact tagaagcact tccgatgaac 420

gatagctggc ccagattcat cata 444

<210> 9793
<211> 571
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220104h08a1

<400> 9793

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cgacaacaaa ggccctcgcg cccacggcgg caagtcccaa ctaaaaaaaa gcacaagtta 120

gtatagacta gcttgttaac ataaggaggt tgagtgcagt cgacatcaca ctatcaacca 180

acttctcctc cgccatttcc gtcaattcca caaccggtgg caacggctta ctgtctatcc 240

ttgtatgtgt aaaggtcgtt gtattattta ttagtatgcc cagtagctgc cgccaaatca 300

tacagaacta ctgccgctta ccaagtaaac gtgagccgcc ggttaggcaa aatcgtaacc 360

cggctatgca taaacggcaa aatccgcaga accgtgtgtg gccactgcaa agtatgagag 420

gcctttggta tatgttggct tatatataac cgtagagaac ggatgagcgg atgcctaaac 480

accagcacta attcctgcgg gggatgccac agataggcgg gaggctgacg gcgcccaaag 540

gngggccacc aatgctacaa tacagcgagt a 571

<210> 9794
<211> 371
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220104h08d1

<400> 9794

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tgcccctaac ttgacaagcc tctgactctg tcatttaagt ttcaggcaaa acatattgtt 180

acagtatcta cataaaggcc ttattcatat gaataaaaca gaaaggaaa atgaaatatc 240

aacaaatgag aatgctagtt tcattagcct ctccaattga ctttctgctt ccttatctct   300

cctaatgctt caacaggtga cttgcagccc accctctgct ggatctcagg tagatcaacc   360

ctcataaagg g   371

<210>   9795
<211>   424
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h09a1

<400>   9795

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tacgcgatga aaacaaaaa caaaaaaaag agcaacggtc tgagaagtat aagaggcggt   120

gtgggagggt ggtggcatgg gccggggcta taataccccc agtggcatag agtaacaggg   180

ccaccaaaat taaagataga gagaccttac ctgggtggaa cgcttgccat gtaactagcg   240

ctagtattaa tgctgcgtaa aaggcgcagg ttactgccta tagattaaag cccgctacgg   300

cagcgtaaac cgttggctaa cctgttgagg caccggtaac ggcagccaat aaggtaacta   360

ttgctaaatt taatgcattg gaacctcctg tagtaagccc gggcgccgta agagcggaat   420

gtgg   424

<210>   9796
<211>   466
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h09d1

<400>   9796

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ataggaaaaa tagtaaaaga aaattgataa ggaaaaaggc cattattgtt gctcattcta   180

ggctgcacaa gtaggagctt ttcctgttat tgtgggcttg acattagcac atttagctgt   240

tgctgcactt ccgttgaatg tcagatcaat atcagccatc tctacagcct cacatggtac   300

accactacta caaacaagaa ccaccccttc tttagttcct gaagtgccct taatgttctt   360

gaaggaaacc ttgcttatct tgattcttga cggattctgt ttggagcatt ggttccaagg   420

acaatactct tggtctatga tgatagggtt cataacatta ttcatg   466

<210>   9797
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h10a1

<400>   9797

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tactagaata gaatttggtg gtagtggtgg tggagcgcag gcatggcgcg ttattatccg   180

catttagggt gcgagtggtg ccgcaaaact gaaggccggt atgtgaagac cgcgatacgc   240

tgaaacccga aatgggcaaa ttgactggtt gacggcaagt agtacaactg gagaacgtca   300

agttagagtg agtgccatcg ggacatgtgt gggcagggtt tgcccaaagc agcagcagct   360

ggcaacagag cccaggagcg cttcagggct agagcagggt gctgttttgg cgacaaccca   420

gaggattcgt tcctaaatgc acttacaccg cagacggcac cagcagtaga cccagcagca   480

aagtcagcga cagcactgtc acaac   505

<210>   9798
<211>   439
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220104h10d1

<400>   9798

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gaaattcaaa tcttatttat atcacagtct aacataagaa aaatatttaa gtaacaagat   120

ggctacactg atatagaaac acacaatcac aaagctacat ataatggnaa catgcaagnn   180

nnnattatat attgttatgt atataacaca tactagacct gccaagctta aaatatttag   240

ttctactagg cctacaggat tacatgtgaa gaaaattgca gtgaaccctt ttttggccaa   300

4464

aggaacttca catgatcagg ggtgccaacc cttttggaag gaaaataaag agtccatgat 360

agatgataat gatgatgagg tttccagctt taagctgtca ttttcactga taccaaatag 420

agatatctgc ctgtttctg 439

<210>   9799
<211>   529
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h11a1

<400>   9799

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ggtagagcca ggaattaaca agagccaaat cacacagtta tggtaaggca gattaagaag 180

taattggtgc cgccacgcca actgacgggc caccggccgc taactatggt aacgaagcag 240

ttacactata gatagtaaaa gttacacacg atgcaagtga cgtaacaact aatgaccata 300

gtagtacagg tgtgacaatg gttaggaacg gttgtgaagg tacgaatatg acaaactact 360

tcgcacggcc aacaatacaa gatattaggc ggacacaagc ataaattgta aaaaattact 420

cagaggaaac aagggaccat agtaggcaga tacaagcata aatgatggca aatgaagcaa 480

taaaagagac aagaaggt gcacgtttaa gtataatata cgcgccgca 529

<210>   9800
<211>   437
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h11d1

<400>   9800

cctcaaatat aagagtgagc atgaatgatg aatctataga actcaatatt aaatgaattt 60

tctaacgtac cctgtggcaa tggcaaaatt acaagaagat tatctagttc catttcaatt 120

tttgatccta tgagcaccca gaaaatataa aactcattta ttgcaacaat aaggataccc 180

cacattctgc tgttctatgg atagtacttg tctttcacat atcaacagat cataaactac 240

acagatacat tctgtcattt acctggttta tatttcttat ggtcctcgca tcttctcaac 300

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aatgtgcctg ctcttttctt caatgtgacg cctttttctct tccaatttct cgctcatctt  360

ctttcccaga tcaagcatcc ttttccttct ccccatttttc tttggcagtc catcctcatg  420

ttcacagaat gattttg                                                   437
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<210>   9801
<211>   539
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h12a1

<400>   9801

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acactaggag cagctgtcga tctatcgcta ggaatgtgcc agagtccgtc actgaaccgc   60

aaaaaccaca cagcctactg ctaatagtga cgctgcgcgg aaatcccggg ccagtgtatg  120

gtggcgcgcc accaaacacc acttagcttt ggtcgctgct gactaggcca cccaaacggc  180

cgctggtgcg gacgttgaaa acacggaggc gcctacggct gctgctatta aacaacgtag  240

ccagttttct gcgaaaaccg ccgcccacgg gtagacattt acaagcctgg cagcctgtct  300

gattaccgca tgagccgggg catttatgag catgaccaaa ccatttccta ggttgcaaag  360

ccgagacaca actgcaatgt aggtagccaa cgccctaagc ctgctacggc gacctagtgg  420

taggccctaa ctagccacgc cacggttagc cgggcacctg ccactacagt tgaagctaag  480

gctgttgggt gtagggcctg tgtgtggaac gatttacggc tgttgaagcc ccgcccggc   539
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<210>   9802
<211>   348
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220104h12d1

<400>   9802

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agatgcaagt atttatacga gttgtcgata ttataaatgt ataatgcaga tacaagggga   60

atgcatccaa gattagagca taaaatttga aacttctcaa gggagaaatc tggctgtaca  120

ggacaatgat tcaagttgtc tccctagtgt acattatttt gcttacaagc caagagcacc  180

aagggtgtc ttgccctggc cagcctcaaa gtagaaaatc agcatagcca acatagcaat  240

cctagcatgc ttaatctcag ccaatttcag tctctctagc ttgtcggcat ccggaatgta  300
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aacgccatcc ttgatagctc cagcaaatcc caaagggtca aagaattt   348

<210>   9803
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a01a1

<400>   9803

ctcgagccgc ttcgcttccg gcctcatcgt taacctcatt caggcaatat gctacgtggt   60

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ctggctggag ctcgtgtgga ttattgattg gtgggccggt gttaaggttc aagtattcac 180

agatcctgaa acctttcgtt caatgggtaa agagcatgct cttgttatct ccaatcacag 240

aagtgacatt gattggcttg ttggatgggt tttagctcaa cgttcaggtt gccttggcag 300

cactcttgct gtgatgaaga aatcatcgaa gtttctaccg gtcattggtt ggtcaatgtg 360

gattgatgaa tatcttttac tggagagaag ttgggccgag gatgaacgcg cattaaagtc 420

aggcctacag caactg   436

<210>   9804
<211>   431
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a01d1

<400>   9804

aaccacataa tcaaacctgc tgaagaatat atagagtagt atacatccac gatggagctc   60

aacaaaatac aatgcataaa tagttaacag tttctgatat gccttctttc ttggaaaact 120

tttgataat gataagccta ttgaaagaat agggtacatt taaatatgga agaaactatt   180

gagaaaattg ataatctaat atcaaagaa gtgtatgcca gctttgttaa acagagaaag 240

caggtatagg aattcctgca atgtgagctt ggatgacctt ttcttttaa aatctccctt   300

tttcagaaca cccaaaacct tgtccttgaa ttcagattgc acctcatctg cttgcccatc 360

ctcaacttcc atttgatcat aatctgctgc atcatcattc atgtccatac cttgatcatc 420

accaaaacta g   431

4467

<210> 9805
<211> 538
<212> DNA
<213> Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106a02a1

<400>   9805

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ataggatgct tctttagaca attttatagg tctgtgggca aggctgacta cttggctttg   120

cgcaatggat ttatcacggt ccacctggct cctggaagta aatttaactt ccaaaagtat   180

atcaaaagat ccttggagga tgacttcaag gtagttgttg gagtcagtcc tgtcctctgg   240

gcatcatttg ttgtttttct gctactaaat gttaatggat ggcatgctat gttttgggca   300

tccttaattc ctgttgtgat aattttggct gttggaacaa aacttcaagc cacactggca   360

aacatggcta ttgaaatcac agaacgacac gcagttgtcc aagggattcc tcttgttcaa   420

ggctcagaca gatatttttg gtttggtcgg cctcagttag ttcttcacct tatccatttt   480

gctttgttcc agaatgcgtt ccaaataaca tantccttgg tgatatggta ttcttttg   538

<210> 9806
<211> 431
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220106a02d1

<400>   9806

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caagcttcaa ggcctctgcg gcagcctctt cctcttcgtc atcgatgaca aaatacggat   120

tgtgagcctc tggcttgaac ttgtagccag taaagaaata gaaagcaagg gtggccaact   180

cagcagcaac cacactggtc caagaataac gataggaggt aatagtctcc aaggcataaa   240

cgacaaccct ggtgaagtaa atgtaacaga taacgacgac atagtagtgc ctgaagagag   300

taagcttcat caaattaaca gcggccttgc cgtcggtcct agcggcctca cggaggttct   360

tgatggacca gacaatgggg aaaagcacag cgcagcaaca gacgacgtca acaaggagga   420

agacctgttt c   431

<210> 9807
<211> 524
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220106a03a1

<400> 9807

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tgttgctgca gtagttttgg tagcatggcc atgccatggc gcaggctacc aaaggttccc   120

tctccgaaag aaaaactggc tatggtgagc gttcttcgga ggtaaaatgc gcaagtttta   180

ggcttgctgt ggaagcacac aacatccgag cctttaaaac cattcctgaa gagtgcgttg   240

aaccaacaaa ggactacatt aatggcgaac aatttagatc agactctaaa acagttaacc   300

aacaagcttt cttttatgct agtgaacgcg aagtccatca caacgacata tttatattcg   360

gcatagataa caccgtactc tctaatatcc catactatga aaaacatgga tatggggtgg   420

aggaatttaa tgaaacctta tatgatgaat gggttaacaa gggcgacgca ccggcattgc   480

cagagactct aaaattaca acaagctgtt gtctcttggc ttca                     524
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<210> 9808
<211> 518
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220106a03d1

<400> 9808

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atttgaatag tgcatatcag cataccttat tacatataga taggagcaaa ctctagctag   180

attgttgaga gaggtgaagg tactactcaa tgtagtacat gggattagga agcttaaagg   240

tcctgctttc gcctctgtgg tctccaagca gatcgctcca ttggtctcca atgattccaa   300

caattctgta tccctgcctc aacagattct ctctcattgc tgatttgtat gaaagtgcat   360

ttggagtgat aagatgtgga tccttgagaa ttaactgctc ccatgtgtgg aagccagcct   420

tctttaggtt tgcttttgtt acggccattt tgtcaagata tcttcctgac aagaatacaa   480
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4469

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<210>   9809
<211>   450
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220106a04a1

<400>   9809

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caaaccctcg gcaaccgcgt cgcagtctct ctccaaatcc cacgcgctca atccgccgcg   180

tccgcttctc cctccgcctc cttccacggc ctctggtacg tcggcgggga ccatatcgac   240

accgaccaga tcattcccgg ccgagtacct aaccctcgtc ctttccaagc ccgacaagta   300

caagaggctc ggttcctacg ccctcatcgg cctccccgcc acctacgcca cgcgtttcat   360

cgaacccggc gagatcaaaa ccaagtacgc catcgtcatc ggcggtgcca acttcggttg   420

cggctcctcc cgcgagcacg cccccgtcgc   450

<210>   9810
<211>   536
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220106a05a1

<400>   9810

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ttttttttat ctggggtttg aatatttttt acttgatctg ttggaacata gagggggtga   120

ttttgtaaaa tcccggattc tctgaggaga aaatattagt gggttttggt tggatcgagg   180

gaaagactcg aactttgcag attgcaaaac gagggtcttt gggggggaga aaatgtggat   240

cttgtaaaag gtgttgttga tttgatcgag aaagaaaaag agaaacattt ttttcagctt   300

caggtgattc aactttttcc tctggcattg gagaaggttt agaagaagct taaaagatac   360

ataatacgca ttggtaacca gtcatcaaag cggaatatga aggtttcttg tgacggtgca   420

4470

taggttgata aagttctggt ggatctgagt ggattggttg tcattntcaa atattttcag   480

taaaggaacc atcgttgaag tggaaggggt tnttcattac ttgaagtttg atttca   536

<210>   9811
<211>   536
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a07a1

<400>   9811

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atattatgat ggagggagat gagaatattc aagcatcatc aaagggaaaa tatgttgaaa   120

gcttcaactg ctcggaggca ccaaggaaga aaagcaagaa gatagaaaac aagaggaggt   180

ttagtgatga acagataaga tcactagaat gcatatttga gtcagagtca aagcttgagc   240

caaggaagaa gatgcaactg gctagagatc ttggcctgca gcctcgccaa gtggctatat   300

ggttccaaaa cagaagggca aggtggaaat caaaacgaat agagcaagag taccgaaaac   360

tcaaagatga atatgacaat ttagcatcaa ggtttgagtc cctaaagaaa gagaaggact   420

ctttgcaatt agagaaacta agtgatttgt tggaggcatg tcaagatgat ggaagggaag   480

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<210>   9812
<211>   494
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106a08a1

<400>   9812

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gctatgctct gtataaggat ggcaaaaata ccaaactctc ttatcccttg gaaaattttg   120

gctctgatat tttctgggag aagctttcat aatggccgtt tcatacagag aatgcgagaa   180

aaggcttcat ctcttccaaa tgtaaaatta gaacaaggaa ctgtcgcatc tctacttgag   240

gaaaaaggaa ccatcactgg ggtgcactac aaaaccaaaa gtggtgaaga gttcacagca   300

aaggctcccc tcaccatagt atgtgatggg ttgttttcc aacttgagac gttctctttg   360

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caatcctaag gtttgaagta ccctctcatt ttgttggtct ggtcttggag aattgtaatc  420

ttccatatgc aaatcatgga cacgtcattt anggtgatcc ttcccccttt tgttttatcc  480

catcagtagc actg                                                     494
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<210>      9813
<211>      501
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106a09a1

<400>      9813

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tagccatgac atgcaatgat gtgacggtga acatggcaca gtgcctatcc tacctgatgc  180

aaggaggaac accttcaaca ctttgctgca gcggagtcaa gaacattctt ggctctgctg  240

tcaccaccgt tgacaaacaa actgtgtgca actgtctcaa ggcggatgct gctaggtaca  300

acatcaatga ccagtatgct caagcactcc ctggtttctg caaggtcaat gtcccttaca  360

agatcagccg ctccacttac tgtgcaagca tcaagttctg aacaagccat ggacagattt  420

gctcatttct gcagcgggat actgaggcag cagtgaagca cttactatca gaataagaga  480

aatcgagtgt gactgtaggg c                                            501
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<210>      9814
<211>      454
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106a09d1

<400>      9814

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caacaatcaa cttagataca tctagtgatc actcacaccc aacaacaaag actatgaagt  120

gtctgaagaa atagaaacta atacaataaa tggctcgcat atgtgaagcc ctacagtcac  180

actcgatttc tcttattctg atagtaagtg cttcactgct gcctcagtat cccgctgcag  240

aaatgagcaa atctgtccat ggcttgttca gaacctgatg cttgcacagt tagtggagcg  300
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4472

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gctgatcttg taagggacat tgaccttgca gaaaccaggg agtgcctgag catactggtc    360

attgatgttg tacctagcag catccgcctt gagacagttg cacacagttt gtttgtcaac    420

ggtggtgaca gcagagccat gattgttctt gact                                454


<210>      9815
<211>      552
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106a10a1

<400>      9815

agtaaattgg gaatggtggt ggttgtgcca ggtgtctgtc tgaggagaaa atagaataaa     60

aagctatgaa attttggcac aaggtctgat tgtagaattg aagaagatga ctggggggg    120

tatctctatg caatcgacgc cgggaagctc aagatacttg gatttgtatc cagagcggaa    180

gatgtccttt ttcaaaaatc cttacattct cggactggct gctgtcgccg gcatcggtgg    240

tctcctcttc ggctacgaca ctggtgtgat atcaggggct cttttataca ttaaggatga    300

ttttgaggag gtttgaaaca gcaatcttct ccaggaaaca attgtcagca tggctattgc    360

cggggcaatc gtgggagcag cattgcgtgg ttggattaat gatgcctatg gtcgaaagaa    420

agccaccctc tttgccgatg ttatctttac cgccggagca taatcatggc ttctgctcca    480

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tcactgctcc cg                                                        552


<210>      9816
<211>      508
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106a10d1

<400>      9816

gcgaaccaaa tcaaacagta tgatatataa agtcataata aaatgcttat gtgaaatgta     60

cccacacgat acatctattt aggccaacaa gctcacactt tattaattag gaactacttc    120

cctgctcaag aaggttttgt gtgttggggt tcttgcccca agctctctcc ctccatatta    180

cttccacttc atcaaaggtc aatcctttgg tctctggaac ataaacaagc acatattcaa    240
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4473

atgctaccac agctatgaca ccaataatca gaaaagttga accaatccct ataccctccg   300

caattgaaag aaaggtctct gagacaatca aatttgagac ccaacacaca gtagctgaca   360

tgcccccaca gataccttga tattcttccg gatatatctc tgaactcaga gtccatggca   420

caagccccat tcctggcgag aaaaaaccaa tatacaaggc ttagcctaca actgcaagcc   480

atccatacaa ctcatttgac gtggatga   508

<210>   9817
<211>   507
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a11a1

<400>   9817

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attcacattg aatatggctg agactacaca atctaatgct gagttgttgg agtggcctaa   120

gaaagataag cgccgcttcc tgcatgttgt gtatcgtgtt ggtgatcttg atcgcaccat   180

taagtttat actgaatgtt ttgggatgaa gcttttgagg aaaagagata ttccagagga   240

gaaatatgcc aatgcttttc ttggatttgg ccctgaacaa tcccattttg ttgtggaatt   300

aacatacaat tatggggtga cctcatatga tattggaact ggatttggac attttgctat   360

cgcaactcca gatgtttaca aattggttga agacatccgg gctaagggtg gaaatgtcac   420

cagggagcct ggtccagtta agggtgggaa atctgttatt gccttcgtga aggatcctga   480

tggttatgct tttgagctca ttcaaag   507

<210>   9818
<211>   348
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a11d1

<400>   9818

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accacacccg atcaaccttg ccagtaaccg tattgcacac tgctacttcc ccgataaagg   180

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ctagtacgga tgagctagta gttcaacacg tttccgtctc tagatggtac aggcatcact   240

gggccctaca gactggccaa agctcctaga ttgtcgaccg ctgcaatttt cgatccatgc   300

agtccttaga aaactgggga cgttgctgta acgccaaaaa ctggccct                348
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<210>   9819
<211>   455
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a12a1

<400>   9819

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cgccgttttc tccgcgctat gtgctttgta attcgacgac gttaagatcg tggttaccga   60

aacaggttgg ccttctaagg gagatagtaa tgaggtgggt gcgagtgttg acaacgctgc   120

tgcgtacaac gggaatctcg tccgtaagat cttgaccgct ggtgggaccc ctctcaggcc   180

caaagcggat ctcatcgttt ttctgttcgc gctttttaat gagaaccaga gcccgggcc    240

tacttccgag agaaactttg ggctttttcta ccctgacgag aggagggttt acaatgttcc   300

gttaacgacg gaggaactca aggactacca cgatcgtccg gcgccggtga gcggcggcgg   360

acagctgaag ggaacgccgg cgccggcgcc ggttgtgagc ggcggagtct tcaagagtac   420

cactggatac cgtggtgcgt tgcaaacccg gatgc                              455
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<210>   9820
<211>   373
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106a12d1

<400>   9820

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ccggaaaaaa aagggccttc tcttaaacta tgggcttcaa atttgtcgaa accggaaaaa   60

caaccttgac cccctctgga accattaagt gaaaggcccc tgcgtggggt gaaaaacaaa   120

aacaaaactg tggtacaaat ctactcttgg cccaacccctt aaattaattt tggttcccct   180

ttcccagttc cccccaactg gaagaaaggc caacattttt taactaacat aatgcattac   240

cccaaaatat ttcaaaacct ttcttccccc caggagggaa tgcctcctcc ctccccaggt   300

ccacacccccc aaacacctgt tatcatccct ttcccaaagg caattgcgcc catcccccttt   360
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<210>   9821
<211>   472
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b01a1

<400>   9821

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tggaatgctc ttttccatgg gccagattga cactgcattt aaatatatag atttaatttt   120

gaaatctggt aatgtgttgt caatgaaggt ttttatgaac tgtgtgggga gttgtgtcaa   180

taagggaagg cttgatacat tggtgacaat aattgaaagg tgcagggcat cagatcaaaa   240

caaagctctt tgccccaact gggacttgtg caattttatt gttgaaatcg caactcgaga   300

ggataatagc aaattaagtt tttatggcct ggagtttatg ctaaatgga ttgtaaaggg   360

tgaacgtcaa agacccccta tatatctttc tgtagatgaa ggtttagtac tgtcagctct   420

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<210>   9822
<211>   481
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106b01d1

<400>   9822

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atagatgaca cataagtttg acttgacata tacattattg atgaacataa aaataaacag   120

acactttgaa tattgtgact aacttactag catataaatt cataaaaata accaattttg   180

ctgagatcga caagtaactt cttcttttca catacgtgtc tgaaaaatat tactacttct   240

ctttgcctga agagtgttgt tttttcagtt gttcaaataa acttccatcg taaacacctc   300

ggattgtttc tttctgcagt aatccactct tatctttagc aagtttgtaa agaattttcc   360

attcaaccac actaccaatc cttcctgaga aatctttagg ctctctattt gcctttatca   420

tctncgttaa ctcatcatat gtcaaaagca tttggatgtg tatgtgcatg cttgttaaaa   480

a   481

<210>   9823
<211>   388
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b02a1

<400>   9823

gtcatcggag tcatcgacac cggaatctgg ccggagcgac agagcttcaa cgaccgcggc   60

ctcggccccg ttccctccaa atggaagggc aagtgcgtcg ccggagaaaa ttttccggca   120

agttcgtgca accggaaact catcggcgcg aggtggttct caggcggata cgaagccacc   180

cacgggaaga tgaacgagac cactgagttc cgctcgccaa gagactccga cggccacggc   240

acgcacactg cgtcgatcgc cgccgggagg tacgtctctc aggcgtccac gttggggtac   300

gcgaagggcg tcgccgccgg catggcgccg aaggcgcggc tcgcggtgta taaagtctgc   360

tggagcgacg gctgctacga ctccgaca   388

<210>   9824
<211>   386
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b02d1

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aaaatgaaaa agaaagaaaa aattccaaat ctttgggttt ttgttggctt ttatactagg   120

cggggcaacc tacaggggggg ccacccactt acgttacgag tcacgagccg tattgatcaa   180

aacgacatga tcgattcgag gctctttata acggttttat ttgagtcacc acaatggggc   240

ttcgaaccac gtgctttcca ttcgttcacg ttagggaccc gaacaccgcc ccggacggac   300

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ccttcaaaac acgagcctcg acgggt   386

<210>   9825

<211>   528
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b04a1

<400>   9825

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tccaagggag aaaggtgcat ggcatgggag ggaggggaag agagttcttc gtggtgttta   180

tgaattgaaa aaaaaattag aggatatcac cgatcttttc tcaccgtgtt cttcatttgt   240

taaaatcatc ggtcaatttc gttttatttt caaaattgtt tcggtttgaa tgcatgcatc   300

ttaatttatg gatttggaat cttctggcga ttcggtgaaa tgttgcaagc actgtgaatg   360

cgggtgtagt gattgctcca tggcagctca atcttcaggg aattggctcc ggtctgtgaa   420

aaggaagcac aagcagttgg aacagggcgg ccaattctct gcgccagggc cggattgcga   480

tcccgtggcg catgtcgaga atgggaatga atgtgatgca ttacctga   528

<210>   9826
<211>   475
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106b05a1

<400>   9826

caaaggttgc tgtaggagat aagattgcag tagtgctaag tgctaacacc tgcagtgaac   60

aatggcctct gcatcagcat ctctgctcaa gtcttcactt gttcttgaca agtctgagtg   120

ggtgaaggga canacccttc gccaaccttc tgcatcagtt gtgagatgca accccaccac   180

cccatcaggc ctcaccatca gagctggttc ctatgctgat gagctcgtta agaccgcgaa   240

aacagtggct tcaccaggga ggggtatttt ggccatggat gagtccaatg ctacctgtgg   300

gaagcgtttg gcttcaattg ggctagagaa cactgaagct aaccgccagg cataccgtac   360

cctcctcgtg acagttccag gccttggtca gtacatctct ggtgccattc tctttgagga   420

aacactctac caatccacaa ctgatggcag gaagattgtt gacgtgctgc ttgag   475

4478

<210>   9827
<211>   120
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b06a1

<400>   9827

cggcccacca caacgcatac cactaagatc cttatgctaa agaatttgca atcatgctta   60

gcgagaaact tgctcaagtc gcagctcgca tccttcctgc tccacggctc atacatcact   120

<210>   9828
<211>   378
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b08a1

<400>   9828

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tacacaaccg gtaggcgatg gtgacggtgg ggtcctacag cgtcgtgctt gtcatcactg   120

cgcttaaggg accctgatac gataggaaga acaccaacaa catcaagcac agcgggaaca   180

atcttcctac acaacggcga tgagatcgcc agggttatga gtcctcgctc catgggcaag   240

gatcttagcg gggccattaa cgagattctt gggacttgcg tttcggttga cagctccgaa   300

tacagtaccg gccgccatgg tctgtggcag gacattaccg atggcgaggt cgagggtcac   360

tctcgaatga agttgctg   378

<210>   9829
<211>   486
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b09a1

<400>   9829

gcaaatttga ctacacattg agacctgatg catttgaagc atctgtgttg gctattaatg   60

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aacagtatgc cattctgaag gaacttatga cccagagtgg ctttgaatgg gatgagaagc   180

gaaaaatggt aattgcaaat gattctgtat ggactgaata tattaagaaa aatcctgatg   240

4479

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.ctcgaattct taaaggacga gttatcagaa actacaatga attgtgcata attctaggtc    300

attgtgatcc agcagatagt tccattaatg gtgcttgtgc ttatatgggt atgactacag    360

acgatggtgt tatggaggtt catgagacaa aagaaaaaga aaaagttaag aatgctgtga    420

catggacaga tgagatggat cattgcttga cagagttgct agtcaatcaa gtaatgttgg    480

gaaaca                                                                486


<210>      9830
<211>      479
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106b09d1

<400>      9830

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ttgaaaaatt tctcaagcct gtttcccaac attacttgat tgacttgcaa ctctgtcaag    120

caatgatcca tctcatctgt ccatgtcaca acattcttaa ctttttcttt ttcttttgtc    180

tcttgaacct ccattacacc atcgtctgta gtcataccca tatttgcaca agcaccatta    240

atggaactat ctgctggatc acaatgacct agaattatgc acaattcatt gtagtttctg    300

ataactcgtc ctttaagaat tcgagcatca ggatttttct taatatattc agtccataca    360

gaatcatttg caattaccat ttttcgcttc tcatcccatt caaagccact ctgggtcata    420

agttccttca gaaaggcata ctgtttcttc catgttctaa gacgattttt aacatgttc     479


<210>      9831
<211>      534
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106b10a1

<400>      9831

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tctcagacat agatgaccaa gatgggttac gtttccaaat tccggtgata cagttctatc    180

gccacgaccc atcaatggca gggaagacc ctgtcgatgt gataagaaag gctgtggcca    240
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4480

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aaacgcttgt gttttactat ccttttgcag gtaggcttaa ggaaggactt ggtcggaaac    300

tgatggtgga ttgtactggg gaaggtgttt tgttcattga agctgatgca gatgtcactc    360

ttaagcaatt tggtgatgct cttcaacctc ctttcccgtg ctgggaggaa ctcctttatg    420

atgtacctgg ttctcaagga gtgcttaaca ctccccttct gcttattcat gtaacgcggc    480

tcaagtgcgg aggtttcata ttagctgtcc ggctgaacca cacgatgagc gacg          534


<210>       9832
<211>       367
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220106b10d1

<400>       9832

aaatgtgaat tcttagcttt caaagccaat aaaattgtca caattcatga catttattga     60

ctgatcaagg aggagtaggt cataataatt ttgattcttc tcttgctgcc actggcttgg    120

tgattacata tacgtactcg atgacatcaa atgctcaatt attgattccc tcattggcac    180

gtaataaagt cgaaaagtac tggttcttct tggaagaaac aatgtacctt gtgtttggag    240

caatggctct aggctggacg atgtggtggt taagcacaca gtccaactcc ttctgatacc    300

tctccatggc tccagttggc tcacataccg tgttaccta cccttcctct cctttagcat      360

tcttaaa                                                               367


<210>       9833
<211>       474
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220106b11d1

<400>       9833

attacaaata atttgtttta acattttctt gttaatagta ctagtagtta gtacaacaca     60

ggaaaaaaaa aagcttcatg caaacttact ttgaacacct gctgttctac tcatctggga    120

tggatgatgc catcaaagtt gtatcccaat tcacattatc ttttaatgct tgtgggttga    180

agcaatgaaa atcactctcc aatctccacc actttgttta tgtggttgca tcgaatcaaa    240

tgacatcgat tattttttgca tctgtacaaa tggtctctga gaaactccta tgtccgctaa    300
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catatgtttt tctttattag atggtgggtt tataaggatc agtgaatcga atatcttcca   360

ctctactttt tggtttgatt acatggagtc cagtccgcac aacaagcggg tttgttgggt   420

tccatttgat atctacatca acaaaaaccc ctacatgatt ccaaccattt tttt   474

<210>   9834
<211>   410
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b12a1

<400>   9834

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ctgacagctt ggttgcctgt gagacatgca ccaagaccaa catggtcatg gtcttcggag   180

agatcacaac caaggccaac gtagactatg aaaagattgt ccgcgacaca tgccgcgaaa   240

ttggattcat ctctgatgat gttggtcttg atgctgacaa atgcaaggtg ttggtcaaca   300

ttgagcaaca gagcccggat atctgccatg gtgtgcacgg ccacttcacc aagcgcccaa   360

tggatgttgg tgctggtgac cagggtcaca tgtttgggta tgccaccgat   410

<210>   9835
<211>   263
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106b12d1

<400>   9835

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aagggacata gaaaagagcc ggcggaggct gaggaagaac agcaacccct tctcttaaag   180

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cctgttgccg gggaagaggt tga   263

<210>   9836
<211>   472

<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106c01a1

<400>   9836

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ggcgaagaat ccgagccgca gccggaatcc gagccggcgt gtggccttgg acgtgccctc   120

ccctcgccac atgggctcca ccctcagtgg catccattcc tccatcgacc accttgacaa   180

gggacgttac cacccatgtt gctttgcatg ttgtgcatgg tcatgcctta ttgtgttcat   240

cttaatcata gccattctct ttcttggtat tacctacttg gcttttctca agtcagggat   300

gccaaaaatt aacgtgagag ccttcaacat aacaaagttt caagttgatg atgggtcaca   360

aaagatgaat tcggttatag gcttaggatt aatattctct aacaagaatg ataagcttaa   420

gcttttgtat gggcctcttg atgtngatgt cactagtgag gatgtgctat tg   472

<210>   9837
<211>   498
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106c01d1

<400>   9837

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gggtccgggc cacaccaaat cattgacacc tgtgccattc aattcccctt ctttattgct   120

ttcgagtttt atcactaatt ttattatctg aaaaaatggc tctcacagtt gcgttttttcc   180

ttgcacttgt tctaatttgc caatattcct ctccttgata caacagctgc tggacgcagc   240

attggcgaaa actccaactc ataggaaaag aaagagcctg agttcttgat cacgcatgaa   300

ggtggggtgt atattccagg gattggacct gttggatttc cacataaatt tcatctcaca   360

cctcaaaatc cattacctgc tggctatgga aatggaggag caggaaccgc aacaggatca   420

agatcaccac caggtagcag ttatgttcct ggtggtgatg acacttttgt cccaaaccct   480

ggttatgagg ttcccatt   498

<210>   9838

<211>   480
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106c02a1

<400>   9838

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gcagcattct gattttgatg accttgcttt ccatctccat tgctggcggc aatgcaggtg   120

gcttgcagca tcataagggt aggcatggta agcatggtcg tcatatgtct gctcgtaatg   180

tgacttacga cggtaagtca ctgttcatta acggaaggcg cgagatcctt ttttccggct   240

ccgtccatta cacacgaagc accccagata tgtggcctga cattcttgac aaagcaaggc   300

gcggaggctt gaacgtcatt caaacttacg ttttctggaa cgctcacgag ccagagcccg   360

gcaagttcaa cttccaaggc aattatgatc ttgtcaagtt cattaggctc gttcaagcca   420

aaggcatgtt tgtcactctc agggttggtc ccttcatcca agccgagtgg aaccacggag   480

<210>   9839
<211>   531
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106c02d1

<400>   9839

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ctaatgaatg cttctcgatg acttgacctt ggataatccg caacttggta atataattac   180

cctaatacgt gaactttgag agcagcaagc aattttttcg ttatacatga tatgaaaaat   240

actagtagaa ctatattaaa caagatcgaa aatgtaaaaa gaaaatgaat ggcatacgaa   300

cctaatttga tacataaaaa atttcatatg agaaaaaaag ccagtttggg cataattaag   360

cataatcagg catggtttcc ttcaaaaatg taattggacg agaatcttca ggggcaagtt   420

cgtcgaaggc aacataattt tgctccttgt cgtacacatg acacactgtc atgattgtct   480

tcatcaatct ccaattccaa ctagcctcat tcagatactg tccccagttt t   531

<210>   9840

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<211>      543
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<223>      Clone ID: jC-gmfl02220106c03a1

<400>      9840

aagaacaagt agttgagaac taagaaggag aagcaaatgg cttcctcaat gatctcttcc      60

ccagctgtta ccactgtcaa ccgtgccggt gccggcatgg ttgctccatt cactggcctc     120

aagttcatgg ttggcttccc caccagaaag accaacaatg acattacctc cattgctagc     180

aacggtggaa gagtgcaatg catgcaggtg tggccaccag ttggcaagaa gaagtttgag     240

actctttcct acctgccaga ccttgatgat gcacaattgg caaaggaagt agaatacctt     300

cttaggaagg gatggattcc ttgcttggaa ttcgagttgg agcacggttt cgtgtaccgt     360

gagcacaaca ggtcaccagg atactacgat ggacgctact ggaccatgtg gaagctgcct     420

atgtttggtt gcactgatgc ttctangtgt ttgaggagct tcagaggcta agactgcata     480

ccccaacggc ttcattcgta tcatcggatt cgacaacgtt cgcccagtgc agtgcatcag     540

ctt                                                                   543


<210>      9841
<211>      271
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106c03d1

<400>      9841

agctctcatc cattaatttt cattgaagtc cgaaaacaga aaccaaaaat acaggatgat      60

gaaatcttaa aaagcaaaaa caaatgggaa tgtagtttaa gtgcaaacaa acaaagtggg     120

gtggcggtta caaatgcttt gcaaattttt cacacttaaa agcctggggg cttgtaggcc     180

ataaaactga agcactgcac ttggcagaac gttgacaaat ccgatgatac ggatgaaacc     240

gatggggtgt gcaatcttag cctgttgaag c                                    271


<210>      9842
<211>      487
<212>      DNA
<213>      Glycine max
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<223>   Clone ID: jC-gmfl02220106c04a1

<400>   9842

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acttgagatt atgtgcaaaa ggtgtttgtc atgagtcatg actcatgact actttctttt   120

cttacaggtt gaggtggatg taatgaactc aatttaacta aaggtattat tgccagaaag   180

atgaacctgg atttgttgat gaggatttgt ttcttttcat ttgatctaat gtggctggat   240

catactgtat aataagtagc aatttttttg ctacaataaa tgactttttt tttttccttg   300

gcaggaatct atggcatcta agtggaggat ggtgtacaac cctgccatct gtggcctacc   360

tgtcctcatg gtcttggtgg gggaagtaat ggtaatggca tctgaatgga cttctagagt   420

aacgatttta tttatactat tttcatatta tttttaatgt caacccagaa aagttgtcta   480

gcctcat   487

<210>   9843
<211>   525
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106c05a1

<400>   9843

gtttacgtga agtcacagaa atcaaaagcc tacttcaaga ggtatcaagt caagttcaag   60

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aacaaatata acaccccgaa atatcgcttt gttgttcgtt tcagcaacaa agacattgtt   180

gcacaaataa tatctgctag cattgctggc gatattgttc ttgctgcagc atatgcacat   240

gagctgccac gatatggtct tgaagtaggg cttacaaatt atgctgcagc ttattgtact   300

ggtctcctgt tggcccgaag agtcctcaaa acacttgaaa tggatgagga gtacgaagga   360

aatgttgagg ctactggaga ggactattca gtggaacctg ctgagagcag gaggccattc   420

cgtgctctct tgatgttggt cttattagga ctacaactgg caaccgtgtc tttggtgccc   480

ttaagggagc tctggatggn ggtttggata ttcctcataa tgaca   525

<210>   9844

<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220106c06a1

<400> 9844

gaatttggca aaaagtagcc atcgccccaa cgatcccatt tcccttgact tctctacgtg   60

aagatccttg tgtcacatag agctagttaa aatgtcagag ggaaatgcag ggaaaggaaa   120

gagaatcgcc atcattggcg tctcaacctt attgttggtg gctatggttg tggcggtcac   180

aattggggtc aatctcaatg agaatggttc caacaatgat atagaggaca acaagaaaaa   240

tcatgttgct tcttccataa aagccgtcca aaccctttgt catcccacaa attatgagaa   300

agaatgcgag gaaagcctta tagctggggc tggaaatacc acagatccaa aagaactcgt   360

caaaattttc ttcaacatca ccattacaaa aattggtgat aaactcaaag aaactaatat   420

tttgcatgag attgaggagg aacccagagc caagatggca cttgacactt gcangcaact   480

catggatctt tctattgggg aaattacaag gtcacttgat ggaataatg   529

<210> 9845
<211> 459
<212> DNA
<213> Glycine max

<223> Clone ID: jC-gmfl02220106c07a1

<400> 9845

cggctgagtg acgtagacag ctctgacgct gcatgcggca cgcccgcagc tgggagttcg   60

gctggagggg agaagttgtc ttcggccgca gtcgtggttg ctaggaacca gccaaccacc   120

aaacgggggc tctatgactc tcacactctg ctaccgagct acctgtcttt cccaactccc   180

aagtcattaa agcctcggaa ccggggcagg aagagctgtc caaatgccac gcgctcaagg   240

cgccgcagtg cgcttctccc tccgccggct tccacggcct ctgctacgtc gtcggcgaca   300

atatcgacac cgaccagatc attcccgccg agtagcgcac cctcgtgcct tccaagcccg   360

acgagtacga gaagctcggc tcctacgccc tcagaggcct ccccgccacc tacgccacgc   420

gtttcatcga acccggcgag atcaaaacca agtgcgcca   459

4487

<210> 9846
<211> 213
<212> DNA
<213> . Glycine max

<223> Clone ID: jC-gmfl02220106c08a1

<400> . 9846

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tgggcagatc aattgtacac cagcttgacg atttatgcag cacggccgtc ggctgggaat    60

aatgctggtg ctgctttttca agtcatcatc cttcgctcta accatggtgc tctatctctt   120

tcacgcagcc agccactcac tgactaacac ttaaacagag tcgcagtcat ggttgtttgg   180

acttttttaca acataagaag gtccgcttta agg                                213
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<210> 9847
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: jC-gmfl02220106c09a1

<400> 9847

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nggccttata cctncagcat gcgtatcccg atgttaattg atatcgtgcg agagcagctc    60

acttggctgg agccgcccct agtttgttaa ccaacacttt tcttttttctg tctctcggaa   120

tccaaatagg ggttacgatt cgcctggctg gcctaaaaaa gaaaggggcc cggacatcgc   180

cttttttttaa tttcccaacc ctccgagttt tcactttccc taagccgcat tgaataatta   240

taacatctgg gcttccaaat atgaatttcc caaagaaagc gtaagctaag agagtaaaaa   300

gttgtgtttc cttgttaaca ccaagcaatt gcgacgggga tagttctccc catgcagcca   360

aagcaaatcc caccgttgtg tactttttacc gcgactcggc tcccagcgcc accgatgcgg   420

gctttgaccg tattaacaac tcgctgactg agtgggttct acctgaaccc agtcctgctc   480

attcacgcgc gccacttgcc atacacctgg aaccggtaca gacggtccct tccttgagac   540

gccaccgagt tcaccac                                                   557
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<210> 9848
<211> 388
<212> DNA
<213> Glycine max

<223>   Clone ID: jC-gmfl02220106c09d1

<400>   9848

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agagaataca catgtcacca ggtgggaatg taccatcatc accaacacca aggaaaaaac   180

attcattctt cttccagaat gccaatcccc tctgagaggc acatgttcct tcaaacagga   240

aatggatctg gtgattctgg acttgtgctt tcaactgatg ctaagcctat attaaaatgg   300

acaccatatc ttcatgccat gtttatagaa gcagtcaacc agttaggggg agctgacaag   360

gcaactccaa aaacagttat gaaactca   388

<210>   9849
<211>   423
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106c10d1

<400>   9849

tgatggttca gctatgttga cctttttgc tctttctgaa acagctgagc ttgcaaagaa   60

gtgggtgccc ttttgcaaaa agcacaatat tgatccatgt gccccagtgt tttattctgc   120

ccagaagatt gattacttaa tggacaagat tcagccctcg tttgtaaatg agcgacgggc   180

aatgaagaga gaatatgaag aattcaaagt acggatcaat gcccttgtag ccaaagctca   240

gaagatgcca gaggaaggtt ggacaatgca ggatggaact ccttggcctg gaaataatcc   300

tagggatcat ccgggaatga ttcaagtgtt tttaggtcat agaggggggc tggatacaga   360

tggaaatgag ctgcctagac ttgtttatgt ttctcgtgag aagcgaccag cttccaaca   420

tca   423

<210>   9850
<211>   436
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106c11a1

<400>   9850

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aggacatgtc atgtagttaa aataggtttg ctttcctca tgtgggtcat ttttaggcat      60

gatccaattg attacaagag ctgctttcac tgagatcccc ggcatggctg ttgcaattta     120

tcattccaaa aacagtcgaa tagacgatga gaatctgggt ctggaaagaa ccaacgatgt     180

gaccacagat ccgttctatg gattgaggac cgcgactatg tccccaacta agtttgatgg     240

aactgctctt gctccaagag ataaatgagg ctttctagtt caacggaata ttacgtgtgt     300

aaaggtgtag gcaccatatt cttatgatcg cataggtggg tttattcatc tgccgagccg     360

tccgagcatc attgcagatg gggttcttgg ccaaaaattg agggatgtgt gtgctcccaa     420

aaatgttgag gattgg                                                     436


<210>    9851
<211>    350
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220106c11d1

<400>    9851

aaacactctt cttcatcgga cccgctttgg gtcttgtgat acatgcgcat tgtaaaggag      60

ctgggtgggt ctttaaatac cacacactcc tgcacaagga ccccgaccgc tttctgtgcc     120

cgaatttatg agagccctac aggtccctat tgggtgcccg cactgacatc atccacgatc     180

ctggccgagg gactcctatc aattaagtgg actgttgact gccgttgcag cccaagatgc     240

aaaactagct ttggatcgcc ggccaaggtc tgtacaccct ccattgcctg tactagcagc     300

ctgaaggcca ccctggaagg atgcaatggg ttgcctgtcc tatccatggg                350


<210>    9852
<211>    472
<212>    DNA
<213>    Glycine max

<223>    Clone ID: jC-gmfl02220106c12a1

<400>    9852

atgagatcga gttagacatt gaggctgttg acacagaaac actttgggaa cttgatcggt      60

tggtgaccaa ttataagaag atggttagca agatcaagag agcaggcatt gatgggcaac     120

atctacaacg actatgtgca ggctaacata ggcaatgagg aattgcctgc tagggagaag     180
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gttgaaaggg ctgctgttga agcgaagaag ccaaagtatg ttgaagcagg ggatgtggat    240

gttgacattg gcgacgagat tccaacgagt atgtttcccc ctgtggagat tgagaaagat    300

aaagatgctg ctggaggcca tgcaagtagt agttcttgta gctctggtag ttcaagcagt    360

gattcctcat cgtctaatga ttcggattca gggagttcct agggagtgat tctgtagcag    420

acaacgggca atcatatcaa gcaggggttt gtgacctatg atcaaacatg at           472
```

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<210>      9853
<211>      482
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106c12d1

<400>      9853

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acttattccc tgcattctat tcccaaatct ttaacgagtc tatcctagga tttcatcaca   120

tttcactctc ctttctggcc gccaaatcag cttgatgatt aatttggttt ccgaaatcat   180

ttgtacaaat atatcacacc tccattcctc gtgcatggtt cccagcgcca cattgcaaac   240

aggttcttcc aaccccaacc cacaactcaa ccaccaacat ttacaatccc tggtccatgt   300

attcaagcaa cgccctcaaa ggatgcccat gatgctaaca ttttttttat ccgcctacca   360

acatgatcat gtttgatcat tagtcacaaa ccccctgact gttatgattg cccgttgtct   420

gcttcataat cactccctga ggaacttccc gaatccgtat cacttgacga tgaggaatca   480

ct                                                                  482
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<210>      9854
<211>      414
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106d01a1

<400>      9854

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gagcactacg cctctaaaag aaccaagttc atcatggctc atgattcccg aatcgcgtgt   120

tttgcactca cgcacgatgg caggttgctt gcaaccgcca gctccaaggg cacactcatt   180
```

aggctcttca ataccctcga cggttcactg ctccaagagg tacggagggg tgcagacaga   240

gcagagatat acagccttgc tttttctcct actgcacagt ggctggctgt ctcaagtgac   300

aaggggaccg ttcatgtctt caacctcaag gttgattccg gactgttggg gcatgataga   360

tcgcacagta cttctgaggc aaatcttgct agccccaccg cgatgtcgtc tctt   414

<210>   9855
<211>   439
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d01d1

<400>   9855

caaggaacta atcatgtcat aatttacatc catacaatgg attaaaacaa aaagattcac   60

atgaatttcc aaatgaagaa gactccagat acataaataa caactaatac aagccagcac   120

atacaaaaac aagagcctaa gcccttgtct tgaaagggat ggctcggatg actatctggt   180

gatacacagc agcaagggca gctccaatga aaggtccaac ccagaaaatc cattggtcat   240

cccatgcatg gtctctgttg tagatgatgg cagctccgag actcctagct gggttaatgc   300

cagttcctgt gatgggaatg gtagccaagt ggaccaagaa cacagcaaat ccgatgggaa   360

gtggagccaa aataggaacg tgtgagtctc tagcgtttct cttggcatca gtggcagaga   420

aaacggtgta gacaagaac   439

<210>   9856
<211>   524
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d02a1

<400>   9856

tgtggctcct cccttccaga tagggattca aggcagttgg gtcgacccaa ttccgagaat   60

ggtggagggc aggacgccaa gaatctaagg gtcaagcttg ttctcttagg tgattctggt   120

gttggcaaaa gctgtattgt ctacgatttt gttcgtggtc agtttgatcc aacatctaag   180

gtaactgttg gagcttcttt tttgtcacaa acaatagctc tgcaagactc tacaacagtc   240

aagtttgaaa tatgggatac tgctggtcaa gagaggtacg ctgcgttagc accactctat   300

4492

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taccgtggtg cagcagttgc agttattgtt tatgatataa caagcccaga atctttcagc   360

aaagcacagt actgggttaa ggagctacaa aaacatggaa gccctgatat agtgatggca   420

ctggtcggta ataaagctga tcttctcgag aagcgggaag ttgctgtcca ggatggcact   480

gactatgcag agaagaatga tatgttttc atagagacat ctgc                     524
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<210>   9857
<211>   483
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d02d1

<400>   9857

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agttcaatat tgccattcag tttaggtacg taacaggagc agcgaagcat aaaagcaatg    60

catccaaatt aaaaccacat cggtactggt acacatctga acatcaaaca caacagaaaa   120

cagaccacaa gaacaagaat ctgaagtaga ttctagtagt cttcatcctc ttcctggccc   180

tcaccagact cagcacccac ttcttcataa tccttctcaa gggctgcaag gtcctcacgg   240

gcttcagaaa attcaccttc ttccataccc tcacccacgt accagtggac aaaagcacgc   300

ttggcataca tgagatcaaa cttgtgatca atgcggccaa acacttcagc cacactggtg   360

gagtttgaaa tcatgcaaac tgccctctgc accttggcaa ggtcgccttc aggaacaacg   420

gtaggtggct ggtagttaat accacacttg aaaccagtag ggcaccaatc cacaaactga   480

atg                                                                 483
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<210>   9858
<211>   478
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d03a1

<400>   9858

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cccaattcct aattgtttaa acctaattct catttcttca tcgttcgatt cttctcctcc    60

taaagatgca gatcttcgtg aaaactttga ccggtaagac catcaccctt gaggtggagt   120

cctccgacac ccatcgataa cgtgaaagct aagattcaag acaaggaagg gatcccacct   180

gaccagcaga gacttatctt tgcgggtaaa cagcttgagg atggtcgaac ccttgccgac   240
```

4493

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tacaacatcc aaaaggaatc cactctccac ctcgtgcttc gcctcagggg tggcatgcaa   300

atctttgtca agactttgac tggcaagacc atcaccctcg aggtcgaatc ctcggacacc   360

attgataatg tcaaggccaa gatccaggac aagcagggta tccctccaga tcagcagagg   420

ttgatatttg ctggtaaaca acttgaggat ggaagaaccc ttgctgatta caatattc     478
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<210>   9859
<211>   492
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d03d1

<400>   9859

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gtgaaacgat attgatattt aaaataaaaa cataaacaac atactttcgc tgaaacgagt    60

tcaatacatc attttaaaac ataataaaca gcagcactta aaccagagat gcaaagcaca   120

agttcaaggg agacactgaa caaacagata agacatatga gaacacttca taaaagggat   180

tccccttagc aaccaccacg aaggcgaagg acaagatgca aagtggattc cttctgaata   240

ttgtaatctg ccaaggtacg accatcttcc aattgcttcc cagcaaaaat gagcctctgc   300

tgatctggag ggataccttc cttgtcctga atcttagctt tcacattgtc aatagtatca   360

gagctttcca cctccaaggt aatggtcttc cctgtcagag tcttcacaaa tatctgcata   420

cctccacgaa gcctcaacac caaatgcaga gtggactcct tctggatatt ataatcagca   480

agagtacgac ca                                                       492
```

<210>   9860
<211>   538
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d04a1

<400>   9860

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tatttatcta tagatatctt tagaaaaaaa aaaagaaaat aaacaaataa gacgtatcat    60

tttatgtata gtagtgggga attatgggac aaaaaataaa tccgcttggt ttcagacttg   120

gtacaactca aaagtcatga ttctatttgg tttgctcaac caacaaatta ttccgagaat   180

atacaagaag ataaaaaaat acgagattgt atcaaaaatt atatacaaaa aaatataaga   240
```

atatcctctg gtgttgaggg aattggacag ataaagattc aaaaaagaat tgatcttatt   300

caagttataa tatatatggg atttccaaag tttttaatag aggggtaagt ctcaaaaaat   360

cgaagaatta cagacgaata tgcaaaaaaa actgaattgt gtgaatcgaa aactaaacat   420

tgctattgta aaagttgcaa atgcttataa acaccctaat attattgcag aatttatagc   480

tggacaatta aagatagagt ttcgtttcgt aagcaatgaa aaagctattg attaactg   538

<210>   9861
<211>   533
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmf102220106d05a1

<400>   9861

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gctatgggta tgctagctcc cctggcaaga gatcttcaat ggaagatttt tatgagacaa   180

aaattgatgg tgttgatggt gaaattgttg cctttttgg agtttttgat ggccatggtg   240

gtgctcgtgc tgctgagtat gtcaagcaaa acctatttag caatttgatc agtcatccaa   300

aattcatttc tgacaccaaa tctgcaatag ctgatgcata taaccatacc gactctgaat   360

ttctgaaatc tgaaaataat caaaacagag atgctggatc aactgcttcc actgccattc   420

ttgttggcga cccgttgctt gttgcaaatg ttgnggactc cagagctgtt atatgcaggg   480

gtggaaatgc cattgcttgt tctcgggatc acaagccaga tcaaactgat gag   533

<210>   9862
<211>   505
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220106d06a1

<400>   9862

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aacgaggagg ttatatggag gtgactgggt tttctgcaga agtgagggaa caaatatata   120

aagtggcatc tgtcaacctt tgctctaata tctctggtca aattcttgct agcttagtca   180

4495

tgagtcctcc taaggttgga gatgagtcct atgagtcatt caatgctgag aaggagaata   240

ttttggagtc ccttgctagg cgtgccaaga cactagaaga tgcattcaac aaattagagg   300

gtgtaacatg caacaaagca gaaggggcaa tgtatctgtt cccccaaatt cgcctgtccc   360

aaaaggctat caaagctgca ggagatgcaa atacagcacc tgataatttc tattgcaaac   420

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cacatggcat tttaggtgca ccata   505

<210>   9863
<211>   511
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220106d07a1

<400>   9863

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atccaaggga gaaaggccca tggcatggga gggagggggaa gagagttctt cgcggtgttt   180

atgaattgaa aaaaaaatta gaggatttca ccgatctttt ctcaccgtgt tcttcatttg   240

ttaaaatcat cgggcaattt cgttttattt tcaaaattgt ttcggtttga atgcatgcat   300

cttaatttat ggatttggaa tcttctggcg attcggtgaa atgttgcaag cactgtgaat   360

gcgggtgtag agaatgctcc atggcagctc aatcttcatg gaattggctc cggtctgtga   420

aaaggaagca caggcagctg gaacaaggcg ggcaattctc tgggcccggc ccgattgcga   480

tcccggtgcg catgtcgaga ttggaatgaa t   511

<210>   9864
<211>   372
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220106d08a1

<400>   9864

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cggaacctgg catggaccag gcatcactgt atgactatca cagtcgaata ccgggcttac   120

4496

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ttactaatcc agctgccaag ctcactagag ccttccaaac cgtgttggag tcattatgca    180

aactcaacca gcacaatatg ccgagaacac tcatgacgac gcctacatac aagatctctg    240

ctacgacttt gttcacaata gcgacacagt ccacatcgtt gccgacgaat acctacccct    300

cagacactta caagcacagc tgagtaccag aagctcggct tctacgccct gataggactg    360

gccgccacct ac                                                        372


<210>      9865
<211>      445
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106d09d1

<400>      9865

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tagccatgac atgcaacgat gtgacggtga acatggcact gtgcctatcc tacctgatgc    180

agggaggaac acctttaaca ctttgctgca gcggagtcaa gatcattctt ggctctgctg    240

tcaccaccgt tgtcaaacat actgtgtgca actgtctcaa ggcggatgct gctaggtaca    300

tcattaatga ccagtctgct caagcgctcc ctggtttctg caaggtcaat gtcccttact    360

agattagccg ctccactaac tgtgcatgca tcatgttctg aacaagccat ggacagattt    420

gctcatttct gcagcgagat actga                                          445


<210>      9866
<211>      480
<212>      DNA
<213>      Glycine max

<223>      Clone ID: jC-gmfl02220106d10a1

<400>      9866

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atgttgaatg aggatgaact gagagatgca gtattgcttg tgtttgccaa caaacaagat    180

cttcctaatg caatgaatgc tgctgagatt accgacaagt tgggtctaca ctctctcaga    240
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cagcgccact ggttcattca gagcacctgt gcaacctctg gggagggcct ttacgaaagt  300

ctggactggc tttccaacaa cattgccaat aaagcttaat gcctttggga gtcttgcgga  360

ttggtaattc tggatgcaag ggtgaacatt atctagcttt tatttcttgg tcctcttcca  420

agacaactcg aatttgtgct catgtaatgc ggtttaagac atctcgaatt tgtgctcatg  480
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<210>       9867
<211>       604
<212>       DNA
<213>       Glycine max

<223>       Clone ID: jC-gmfl02220106d10d1

<400>       9867
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ctcgtctgga gacgcccttg ggaatggtgg aggttgttcc ttttttctgt ctgaggagaa  120

aattgaataa aaagctatga aattttggca catggtctga ttgttgaatt gaagaagatg  180

actggggggg gtattactat gcaatcgacg ccgggatagc taagatactt ggatttgtat  240

ccagagcgga agatgtcctt tttcaaaaat ccttacattc tcggactggc tgctgtcgcc  300

ggcatcggtg gtctcctctt cggctacgac actggtgtga tatcaggggc ttttttatac  360

attatggatg attttgagga ggttagaaac agctatcttc tccaggaaac aatagtcagc  420

atggctattg ccggggcaat cgtgggagca gcattgggtg gttggattta atgatgccta  480

tggtcgaaag atagccaccc tctttgccga tgttatcttt accgccggag cattatcatg  540

gcttctgctc cagatcctta tgttctcatt ttgggacgcc ttctggttgg gttgggtgtg  600

ggca                                                                604
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<210>       9868
<211>       524
<212>       DNA
<213>       Glycine max

<223>       unsure at all n locations
<223>       Clone ID: jC-gmfl02220106d11a1

<400>       9868
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cccaaaatgt aatgaggcag aatgagaaga ggttcatgta tgagtgtgat aatatgaaga   120

ggttcatctc ttcaactcct ggtcaaattt gcaggagtag ccaaccatgg aacaaagtca   180

acaatgtcct cacaaaatca aacacaaatg agaggaatgt cctaggagc atacttcatg   240

gcagatgctc tttgcataag aatgtcacaa aactttgtgg ttcagacagt cacctaagcc   300

tcattaatga atgttattca aagacagaaa acctttccag agtttggtgt tcagcaagtt   360

ctatctcaac tgagaagcaa ctaaagtcat tagattctta ttttggaaaa ctccaagata   420

atgcaaattt gcgtacattt gattcatcac caaagtgata cagttgcatc acatanatcg   480

tcaagctaga tcaaaaactg gactggaatc tcttgaggag tatc   524

<210>   9869
<211>   387
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220106d11d1

<400>   9869

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tttctatctt aagcatctat caccgatgag aacaagaacc taagcttgaa tcctcagcgc   180

ttgtgcccta ctctatttat tgggccaggg accgaccgta cacaattata cttttggaac   240

cctataatat ttatatacta aatgaaacag tagcacctaa tctctgttac ttgtgggttt   300

aatgcatcga tgactgtttc cccccttttt tacaagacac gtctttgtag ggcagtagcg   360

acggccctac ctccgaagca taattgc   387

<210>   9870
<211>   535
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmf102220106d12a1

<400>   9870

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tatccacctg caaaggcaca agtggtgggt tggccaccag ttaggtcatt tagaaagaac   120

4499

atagttcaaa ggaacagcaa tgaagaagag gcagagaaga gcacgatgaa tgctttcgtg   180

aaagtgagca tggatggtgc accgtatcta cgaaaggtgg acattaagtt gtacaagagc   240

taccaggagc tgtcagatgc gctggctatg atgttcagtt ccttcacgat tgaaaagtgt   300

gggtcccaag ggatgaaaga ttttatgaat gagaccaatg gctctgacta tgttcccaca   360

tatgttgaca tggacggtga ctggatgctc gtcggtgatg tgccctgaga gatgttcgtt   420

gaatcatgaa tgcgtcttcg cataatgaaa ggctccgagg ctatcggtct tgcgccaaga   480

gccgtggtat agtgcaagaa cagaagctga agatgtgatt tcatctgcgt cacaa   535

<210>   9871
<211>   348
<212>   DNA
<213>   Glycine max

<223>   Clone ID: jC-gmfl02220106d12d1

<400>   9871

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atcagggggg ccgtcttagg gagattgtca tgtggtgctt gcaaacagta aacaacagct   120

gatgcgcaca tcgggtatct cgtccggtag atctcgaccg ttggtggatc ccctctcatg   180

cccatagcgg acctcttagt ttatctgttc acactttca atgagaacca atagcccaag   240

ccttcttccg agagtaaact cgagcttgcc taccctgacg agaggagggg tgacactgat   300

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<210>   9872
<211>   377
<212>   DNA
<213>   Glycine max

<223>   unsure at all n locations
<223>   Clone ID: jC-gmfl02220106e01a1

<400>   9872

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taaatatggt aatacccgcc tctatgttgg acgcttgtct tcgaggactc gttcccgtga   120

cctggagcgt gtcttcagca gatatggaag agttcgaggc gtagatatga agaatgattt   180

cgcctttgtt gaatttagtg atcctcgaga tgctgatgat gctagataca acctggatgg   240